

Major Land Resource Area 108X

Illinois and Iowa Deep Loess and Drift

Accessed: 05/11/2025

Ecological site keys

MLRA 108A Key to Ecological Sites

I. Uplands

A. Histosols ... R108XA001IL – Organic Sedge Meadow

B. Mineral Soils

1 Bedrock <1.5m (60")

i. Bedrock is limestone ... R108XA002IL – Limestone Prairie

ii. Bedrock is shale ... F108XA003IL – Shale Woodland

iii. Bedrock is sandstone

a. Dark surface (mollic epipedon) >25cm (10") ... R108XA004IL – Sandstone Prairie

b. Light surface (ochric epipedon) or dark surface <25cm (10") ... F108XA005IL – Sandstone Woodland

2 Bedrock >1.5m (60")

i. Loess (including loess over glacial till)

a. Dark surface (mollic epipedon) >25cm (10")

1) Water table >30cm (12") ... R108XA006IL – Loess Upland Prairie

2) Water table <30cm (12"), not ponded ... R108XA007IL – Wet Loess Upland Prairie

3) Water table <30cm (12"), ponded

a) Recharge wetland, non-calcareous surface ... R108XA008IL – Ponded Loess Sedge Meadow

b) Discharge wetland, calcareous surface ... R108XA009IL – Ponded Calcareous Loess Sedge Meadow

b. Dark surface (mollic intergrade) 15-25cm (6-10") ... R108XA010IL – Loess Upland Savanna

c. Light surface (ochric epipedon) or dark surface <15cm (6") ... F108XA011IL – Loess Upland Forest

ii. Outwash (including loess-capped outwash)

a. Dark surface (mollic epipedon) >25cm (10")

1) Water table >30cm (12") ... R108XA012IL – Outwash Prairie

2) Water table <30cm (12") ... R108XA013IL – Wet Outwash Prairie

b. Dark surface (mollic intergrade) 15-25cm (6-10") --not described ... R108XA014IL – Outwash Savanna

c. Light surface (ochric epipedon) or dark surface <15cm (6") ... F108XA015IL – Outwash Forest

iii. Eolian sands ... R108XA016IL – Sand Prairie

II. River Valleys

A. Low stream terrace subject to rare flooding ... F108XA017IL – Terrace Woodland

B. Floodplain

1 Flooded and ponded ... R108XA018IL – Ponded Floodplain Marsh

2 Flooded only

- i. Fine-silty alluvium ... F108XA019IL – Silty Floodplain Forest
- ii. Fine-loamy to coarse-loamy alluvium ... F108XA020IL – Loamy Floodplain Forest