Description of Map Units

Holocene

Qn OUTWASH SAND AND PEBBLY SAND, sand and pebbly sand with gravel lenses at depth, thin till, and pebbly sand of Noah Creek Formation

Qdm2 ALLUVIUM, silt loam, clay loam and sandy loam with thin beds of reddish brown silty clay, deposits in abandoned Mississippi River channels (DeForest Formation) over sand and pebbly sand of Noah Creek Formation

Qdc2 ALLUVIUM AND COLLUVIUM, loam and pebbly loam alluvial fan and colluvial slope deposits in abandoned Mississippi River channels (DeForest Formation) over sand and pebbly sand of Noah Creek Formation

Qdy ALLUVIUM, silt loam, clay loam, sandy loam, and organic-rich deposits in meander belts of Illinois River, Phase High Terrace of Iowa/Cedar Valley

Qdn ALLUVIUM, one to two meter thick silt loam and sandy loam (DeForest Formation) over sand and pebbly sand of Noah Creek Formation

Qdhn ALLUVIUM, up to three meter thick loam and sandy loam (DeForest Formation) over clayey alluvium, Late Wisconsinan outwash deposits in abandoned Mississippi River channels (DeForest Formation) over sand and pebbly sand of Noah Creek Formation

Qptl LOESS, silt loam (Peoria Loess), grades downward into silty, loamy, and sandy alluvium, Late Wisconsinan outwash deposits in abandoned Mississippi River channels (DeForest Formation) over sand and pebbly sand of Noah Creek Formation

Qpth LOESS, silt loam (Peoria Loess), buries Farmdale Soil developed in Roxana Silt and Sangamon Complexes (Holocene and Pleistocene)

Qhm1 OUTWASH SAND AND PEBBLY SAND, coarse to fine sand and pebbly sand mantled with up to three meter thick loamy silt, Mississippian Valley deposits (Illinoian and Wisconsinan) over sand and pebbly sand of Noah Creek Formation

Qhm2 OUTWASH SAND AND PEBBLY SAND, coarse to fine sand and pebbly sand with thin gravel lenses, upper part of Upper Wisconsinan outwash deposits

Cross-section Key

1 DeForest Formation, fan-grained alluvium
2 DeForest Formation, Conglomerate Member, alluvial fan and hillside slope deposits
3 DeForest Formation, post-miss., organically-rich silt and silt
4 DeForest and Henry formations, sand and gravel, channel deposits
5 DeForest and Noah Creek formations, sand and gravelly sand, channel deposits

Late Wisconsinan

Noah Creek Formation, sand and gravel, valley-train outwash

Henry Formation, Sahula and Moccasin members, sand and pebbly sand, overly floodplain deposits

Henry Formation, gravel, valley-train outwash

Prairie Loess and Rainsville Silt, wind-blown silt and sand

Wisconsinan (? and Holocene)

Stratified pebbly-sand and gravel deposits with fossiliferous foraminifera and brachiopods, Upper Wisconsinan outwash deposits of Illinois River, Phase High Terrace of Iowa/Cedar Valley

Illinoian

Glacial Till, Kellewell Member, glacial till

Glacial Till, Kellewell Member, sand and gravel, proglacial outwash

Pre-Holocene

Wolf Creek and Alburnett formations, glacial till, associated sand, gravel and silts with limnic deposition, and laminated silts

Wolf Creek and Alburnett formations, sand and gravel

Borealis

Upper Devonian shale, undifferentiated

Cedar Valley Group, carbonates and dolomites