# Surficial Geologic Map of the Argyle 7．5’ Quadrangle， Lee County，Iowa and Clark County，Missouri 

wa Geological Suval

## Introduction


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1：24，000


Manted gile Quadrangle is I ocated in Lee County on the Southern Iowa drift plain landform region．The map area is dominated by tributuries．Glacial tilli is only exposesed in dranianges and stevep sideses opes．The Quatermary 5 stataigraphy of the region consists of \(205 \mathrm{~m}(7\)－


 Vew data collected for this mapping project included four drill cores， 22 passiviv seismic data points，and investigation of three
and one abandoned duarry．Additional subsurface information was derived from the analysis of more than 200 water well records


\section*{Legend}

CENozoic
QUATERNARY SYSTEM
HUDSON EPISODE



Qalb



Qali－ht




\section*{－}

Qaf

Qnw

 Eppocod．This unti is shown only on hhe crosss．section．
Qpt


Qps

 PRE－ILLINOIS EPISODE

 （h）other uppig unts
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rangl，se
ofM－
Qpq \({ }^{\mathrm{o}} \mathrm{im}\)

\section*{Correlation Chart}
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline General Lithology & Shallow Bedrock & Valley & Upland & 总 & 皆 &  \\
\hline \multirow{3}{*}{Alluvium} & \multirow{3}{*}{Qalb} & Qallt & \multirow{3}{*}{Qal} & & & \multirow{6}{*}{告} \\
\hline & & Qali－ht & & & 훌 & \\
\hline & & Qaf & & \multirow{3}{*}{Wisonsin} & \multirow[b]{3}{*}{亳} & \\
\hline Loess & \multirow{3}{*}{Qbi} & Qpt & Qps & & & \\
\hline Outwash & & Qnw＊ & & & & \\
\hline Glacial & & \multicolumn{2}{|c|}{Qwa3} & Prellinios & & \\
\hline \multirow{9}{*}{Bedrock} & & Pcl＊ & & & vana & \\
\hline & & Mpsl & & \multicolumn{3}{|c|}{\multirow{5}{*}{Missisipipian}} \\
\hline & & Mws＊ & & & & \\
\hline & & Mkeo & & & & \\
\hline & & Mb＊ & & & & \\
\hline & & Mk＊ & & & & \\
\hline & & Der＊＊ & & \multicolumn{3}{|c|}{\multirow{3}{*}{Devonian}} \\
\hline & & Dss＊ & & & & \\
\hline & & Dgg & & & & \\
\hline
\end{tabular}

Map Symbols
－bedrock outcrop
－GeoSam point
\(\circ\) new dirl core
－geophysics
collection point

cross－section
water body
Road Classification
Road Classificatio
－U．S．Route
U．S．Route
State Route
Local Road

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