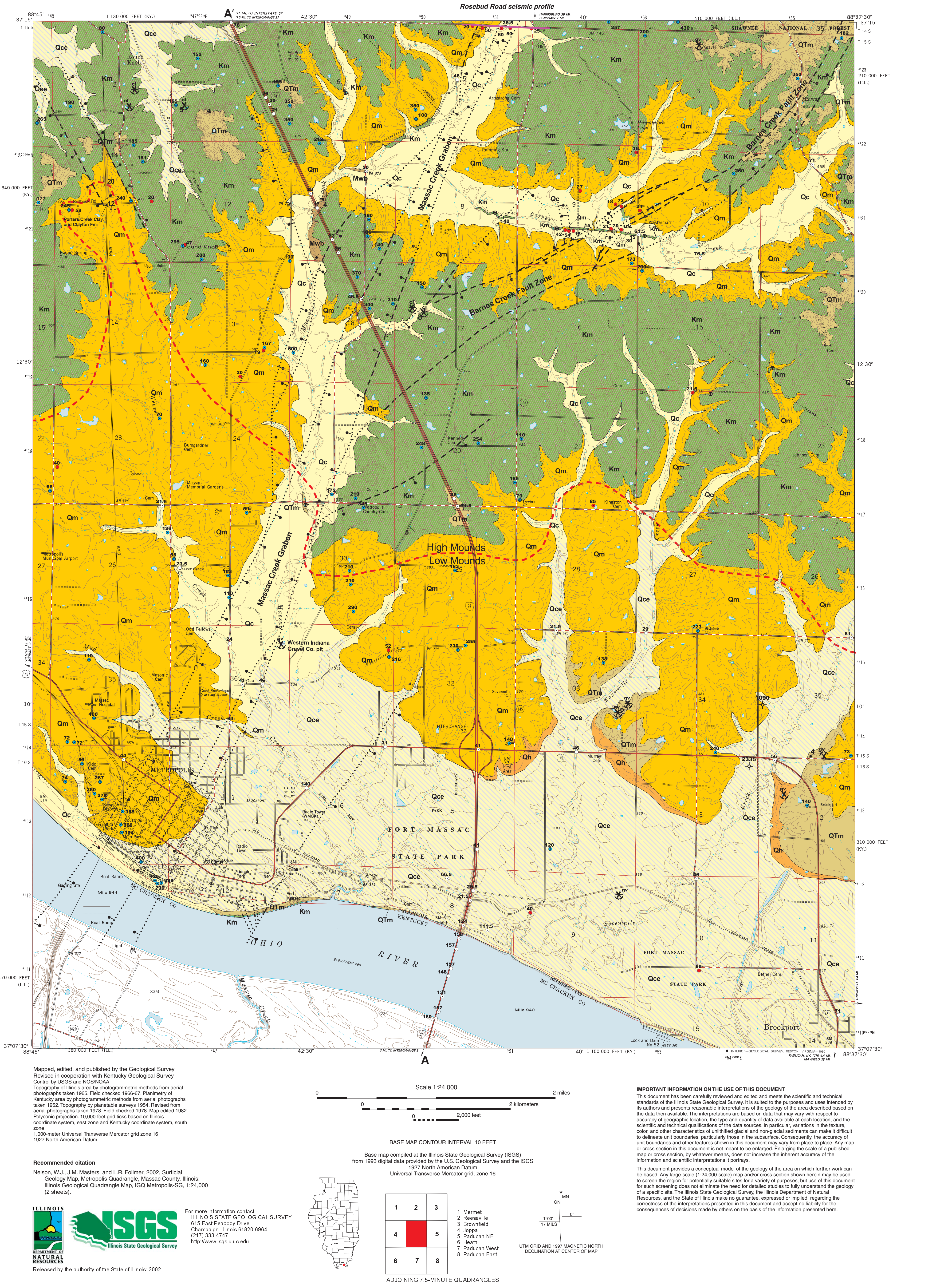


**Metropolis Quadrangle,
Massac County, Illinois**

[illegible]

Note: Some Mississippian units are not drawn to scale.

Units

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh

Henry Formation

Qm

Metropolis Formation

Qm

Mountains Gravel

Qm

McNairy Formation

MwB

West Baden Sandstone

Cc

Cahokia Formation

Qc

Cahokia and Equality Formations

Qh





Henry Formation

Qm

Metropolis Formation

<

30

-  Horizontal bedding
-  Vertical joints or fractures
-  Active pit, gv = gravel
-  Abandoned pit, cl = clay, gv = g

Drill Holes from Which Subsurface Data Were Obtained

- | | |
|------|--|
| 70 | Water well, with depth in feet |
| 56 | Engineering boring, with depth in feet |
| 20 | ISGS stratigraphic test boring, with depth in feet |
| 2335 | Dry oil-test hole with depth in feet |

Primary highway
Secondary highway
Light duty road

Metropolis Surficial Geology Map
Map sheet 1 of 2