U. S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

AREAL GEOLOGY

MISSOURI-KANSAS
JOPLIN DISTRICT

LEGEND

SEDIMENTARY ROCKS

(Areas of subsequence deposits are shown by colors, and of residual ores, mineral deposits by patterns of dots and circles)

QUATERNARY

Qal — Alluvium
(only the larger deposits represented)

CARBONIFEROUS

Pottsy/ennian

Cck — Cherokee formation
(dark-gray shale and gray to buff sandstone)

UNCONFORMITY

Mississippian

Cc — Carterville formation
(cobbs, dark gray shale, and occasional mind stones)

UNCONFORMITY

Cb — Boone formation and Grand Falls chert
(limestone and chert)

PLEASANT VIEW MINERAL TWIN GROVES MARION SHAWNEE PRAIRIE GARDEN TIMBERED HILLS LOWELL JACKSON

JOPLIN

CARTHAGE

Webb City

Carterville

Oronogo

Alba

Duenweg

Galena

Empire City

Central City

Cave Junction

Lehigh

Smithfield

Crestline

Lawton

Pleasant View

Waco

Belleville

Boston Mills

Military Road

Elden

Empire

Chitwood

Turkey

Oakland

Prosperity

Mineral Hill

Villa Heights

Scandia Hill

Bladdeville

Howard

Pickerville

Spring Grove

Lowell

Baxter Springs

Badger Camp Mission P.O.

Klondike

Buckhoe

Mineral Point

Maxville

Morgan Heights

Lakeside

Johnstown

Pleasant Valley

Downy Farm

South Carthage

Knight

Scotland

Fidelity

Rise

Segoine

Thurman

Riding Mill

Grand Falls

Gregg P.O.

Duquoin

Mouth of Shoal Creek

Mouth of Center Creek

Mouth of Turkey Creek

Mouth of Spring River

Mouth of Short Creek

Mouth of Silver Creek

Mouth of Jones Creek

Mouth of Beaver Creek

Mouth of Willow Branch

Mouth of Buck Branch

Mouth of Brush Creek

Mouth of Lost Creek

Mouth of Williams Creek

Mouth of Lyon Creek

Mouth of Cow Creek

Mouth of Crestline Branch

Mouth of Joplin and Galena Branch

Mouth of Joplin and Southern Branch

Mouth of Joplin and Carthage Branch

Mouth of Joplin and Webb City Branch

Mouth of Webb City and Carterville Branch

Mouth of Carterville and Prosperity Branch

Mouth of Carthage and Southern Branch

Mouth of Carthage and Western Branch

Mouth of Carthage and Joplin Branch

Mouth of Carthage and Granby Branch

Mouth of Carthage and Aurora Branch

Mouth of Carthage and Pittsburg Branch

Mouth of Carthage and Galena Branch

Mouth of Carthage and Webb City Branch

Mouth of Carthage and Carterville Branch

Mouth of Carthage