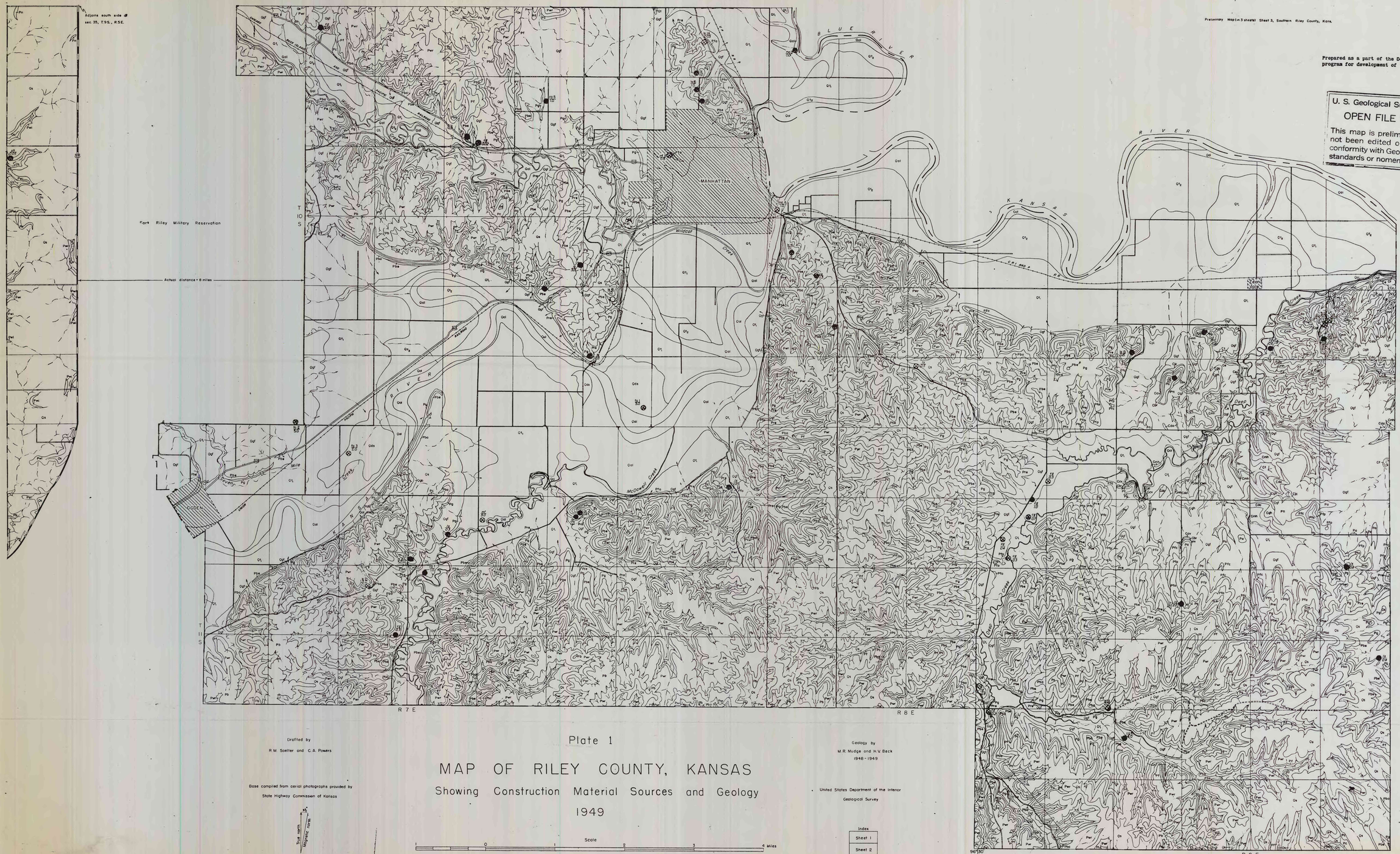
49-128

Preliminary Map (in 3 sheets) Sheet 3, Southern Riley County, Kans.

Prepared as a part of the Department of Interior's program for development of the Missouri River Basin

U. S. Geological Survey
OPEN FILE REPORT
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.



EXPLANATION

UNCONSOLIDATED SEDIMENTS

QUATERNARY

Pleistocene and Recent

- Qal — Alluvium
- Qds — Dune sand
- Qt2 — Low terrace deposit
- Qt1 — High terrace deposit
- Qs — Sanborn formation
- Qgt — Glacial till
- Qgb — Glacial boulders
- Qgf — Glacio-fluvial deposit

SEDIMENTARY ROCKS

CRETACEOUS

Upper Cretaceous

- Kd — Dakota sandstone

PERMIAN

Leonard

Sumner

- Pwe — Wellington shale

Wolfcamp

Chase

- Ph — Nolans limestone
- Pwl — Odell shale; Winfield limestone
- Pb — Doyle shale; Barneston limestone
- Pwr — Matfield shale; Wreford limestone

Council Grove

- Pf — Speiser shale; Funston limestone
- Pc — Blue Rapids shale; Crouse limestone
- Pba — Easly Creek shale; Roder limestone
- Pbe — Stearns shale; Beattie limestone
- Pg — Eskridge shale; Grenola limestone
- Pre — Roca shale; Red Eagle limestone
- Pfo — Johnson shale; Foraker limestone

Admire

- Pfp — Hamlin shale; Five Point limestone
- Pfc — West Branch shale; Falls City limestone
- Po — Howsby shale; Aspinwall limestone
- Pt — Towle shale
- Pti — Indian Cove sandstone member of Towle shale

PENNSYLVANIAN

Virgil

Wabaunsee

- Cbr — Brownville limestone
- Ccv — Pony Creek shale; Coneyville limestone
- Cjc — French Creek shale; Jim Creek limestone
- Cgh — Friedrich shale; Grandhaven limestone
- Cda — Dry shale; Dover limestone
- Cmh — Langdon shale; Maple Hill limestone
- Ct — Wamego shale; Tarkio limestone
- Ce — Willard shale; Elmont limestone
- Cr — Harveyville shale; Reading limestone
- Cwa — Auburn shale

IGNEOUS ROCKS

CRETACEOUS(?)

- Kbl — Basic intrusion

Drafted by
R.M. Soelter and C.A. Powers

Base compiled from aerial photographs provided by State Highway Commission of Kansas

True north
Magnetic north
3½°

Approximate mean declination 1948

Plate 1

MAP OF RILEY COUNTY, KANSAS

Showing Construction Material Sources and Geology

1949

Scale

1 0 1 2 3 4 Miles

Geology by
M.R. Mudge and H.V. Beck
1948-1949

United States Department of the Interior
Geological Survey

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