BEDROCK GEOLOGY OF SOUTHWEST IOWA

DIGITAL GEOLOGIC MAP OF IOWA
PHASE 5: SOUTHWEST IOWA

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Iowa Geological Survey
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Description of Map Symbols

- GEOLOGIC UNIT CONTACTS
- BEDROCK WELL DATA POINTS
- COUNTY OR TOWN BOUNDARY
- MAJOR HIGHWAYS
  - Interstate Route
  - U.S. Route
  - State Route
- TOWNSHIP BOUNDARY
- LAKE, RIVER, OR STREAM
- FAULT ZONE
  - Chelsted shale (eroded)
  - Identifies up-thrown block
  - Identifies down-thrown block

Index Showing Area of Geologic Map

Rock Exposures in the Study Area
- Areas of bedrock exposure or bedrock surface within the soil horizon

Description of Rock Units

LEGEND

- MARYLAND GROUP
- MARMATON GROUP
- MENTONE GROUP
- HARRISON GROUP
- SHELBY GROUP
- AUDUBON GROUP
- MONTGOMERY GROUP
- POTTAWATAMIE GROUP
- CASS GROUP
- TAYLOR GROUP
- ADAM GROUP
- CARROLL GROUP
- STRAWFORD GROUP

Minor: coal; black shale.

0.15 in. (1:51,000)
Scale on printed map

Bedrock Geochemistry of Southwest Iowa

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Prepared by the Iowa Department of Natural Resources
Topo Map D-3

Potawatamie 42 00'

Minor: chalcedony; quartz sand; silt; sandstone, very fine- to coarse-grained. Secondary: limestone, sandy; sandstone, very fine- to coarse-grained. Secondary: mudstone; black shale, minor: chert; limestone.