

**EXPLANATION**

Quaternary	Qa	Quaternary	Qc
Alluvium	Qa	Sandstone formation	Qc
Terrace alluvium	Qa	Date sand	Qc
Till	Qa	Glacial outwash	Qc
Glacial drift	Qa	Old gravel	Qc

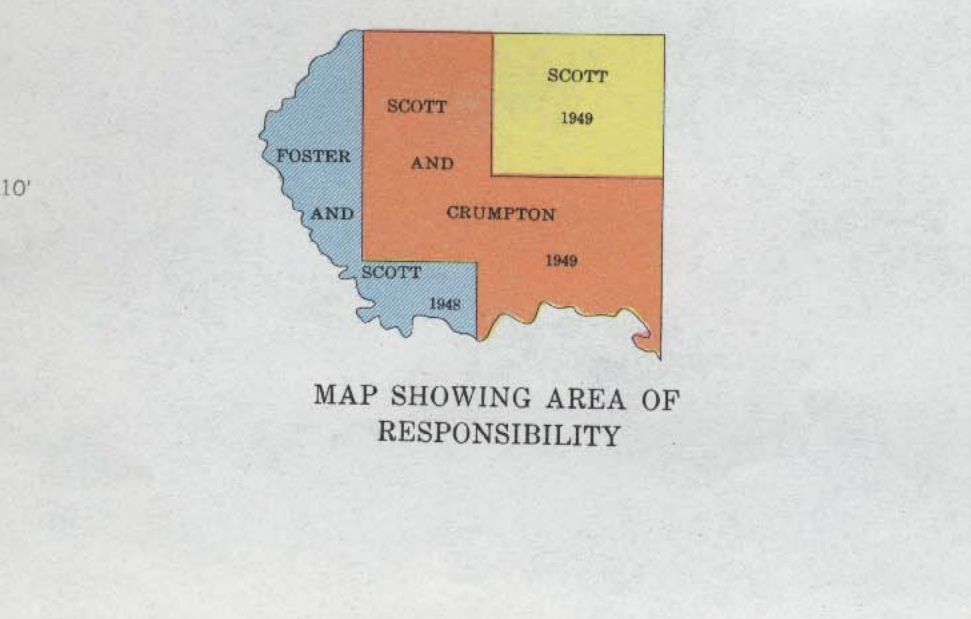
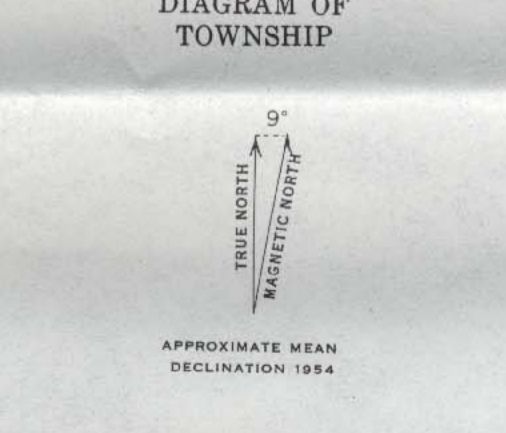
  

MEMBER	FORMATION
Towanda limestone member	Doyle shale
Hobbesville shale member	Doyle shale
Fort Riley limestone member	Barstow limestone
Clatsop shale member	Barstow limestone
Florence limestone member	Matfield shale
Blue Springs shale member	Matfield shale
Kinsey limestone member	Wrexford limestone
Wyomere shale member	Wrexford limestone
Schrover limestone member	Wrexford limestone
Havensville shale member	Wrexford limestone
Threemile limestone member	Wrexford limestone
Spicer shale	Spicer shale
Fulton limestone	Fulton limestone
Blue Rapids shale	Blue Rapids shale
Cross limestone	Cross limestone
Kealy Creek shale	Kealy Creek shale
Bader limestone	Bader limestone
Stearns shale	Stearns shale
Merrill limestone member	Beattie limestone
Cottonwood limestone member	Beattie limestone
Neva limestone member	Exbridge shale
Salem Point shale member	Exbridge shale
Burr limestone member	Greenish limestone
Legion shale member	Greenish limestone
Sallyard limestone member	Reca shale
Howe limestone member	Reca shale
Dennett shale member	Red Eagle limestone
Glenrock limestone member	Red Eagle limestone
Long Creek limestone member	Johnson shale
Hughes Creek shale member	Johnson shale
American limestone member	Foraker limestone
Hamilin shale member	Foraker limestone
Five Point limestone member	Jaxeville shale
West Creek shale member	Jaxeville shale
Hawley shale member	Falls City limestone
Aspinwall limestone member	Falls City limestone
Twale shale member	Ongas shale
Stevens limestone member	Ongas shale
Pony Creek shale member	Ongas shale
Dry Creek limestone member	Wood-shing formation
Nebraska City limestone member	Wood-shing formation
French Creek shale member	Root shale
Jim Creek limestone member	Root shale
Friedrich shale member	Stetler limestone
Dry shale member	Stetler limestone
Lower limestone member	Finney shale
Maple Hill limestone member	Zealand limestone
Wamego shale member	Zealand limestone
Tarkio limestone member	Willard shale
Elmest limestone member	Willard shale
Harvey shale member	Emporia limestone
Reading limestone member	Emporia limestone
Wakarusa limestone member	Auburn shale
Snyder Creek shale member	Bern limestone
Burlington limestone member	Bern limestone
Silver Lake shale member	Bern limestone
Rub limestone member	Scranion shale
Cedar Vale shale member	Scranion shale

\*Hamilin shale member further subdivided into: Oake shale bed (top), Root Creek limestone bed, Stone shale bed (bottom). This subdivision appears only in text.

\*\*Where intervening units are missing the Dry shale member and Pony Creek shale member are mapped as undifferentiated.

- Boulder dump
- Contact, locally concealed but essentially accurate
- Fault, dotted where concealed, solid where concealed, dotted where concealed, queried where doubtful
- Anticline, approximately located, dotted where concealed, queried where doubtful
- Strike and dip of beds
- Operated pit or quarry
- Prospect pit or quarry
- Fine aggregate
- Mixed aggregate
- Mineral filler
- Sand
- Chert gravel
- Limestone gravel
- Limestone
- Inclined letters indicate material not tested
- n 21
- Vertical letters indicate materials listed in table 1, and their sample number
- Quantity of material available, in units of 10,000 cubic yards; unlimited, un



MAP SHOWING CONSTRUCTION MATERIALS AND GEOLOGY OF POTTAWATOMIE COUNTY, KANSAS

PHOTO BY GEORGE W. COOPER AND PAUL W. FISHER, ASSISTED BY CARL F. CRUMPTON, 1948-49