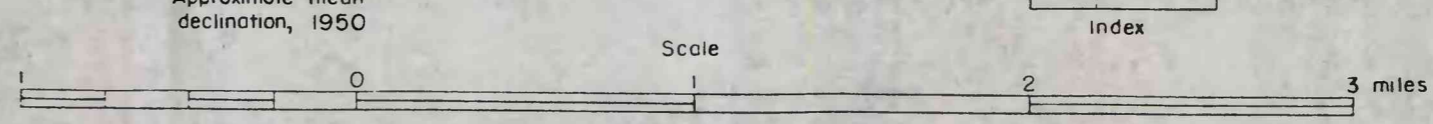
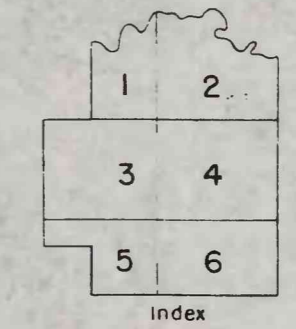
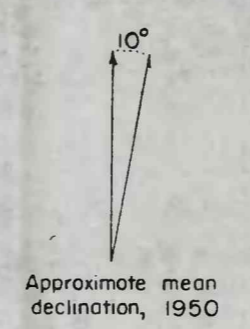


- EXPLANATION**
- QUATERNARY**
- Qal Alluvium (Source or potential source of aggregate, road metal)
 - Ql Terrace deposits (Source or potential source of aggregate, road metal, mineral filler)
 - Qs Sanborn formation (Source or potential source of aggregate, road metal, mineral filler)
 - Qgt Glacial till (Source or potential source of aggregate, riprap)
 - Qgo Glacial outwash (Source or potential source of aggregate, riprap)
 - Qgk Glacial kame (Source or potential source of aggregate, riprap)
 - Qoq Older gravels (Source or potential source of aggregate, riprap)
- PERMIAN**
- Chase group
 - Pb Barneson limestone - Doyle shale
 - Pwr Wreford limestone - Martlet shale (Source or potential source of structural stone, road metal, aggregate, riprap)
 - Council Grove group
 - Pf Funston limestone - Spenser shale
 - Pc Crouse limestone - Blue Rapids shale
 - Pba Bader limestone - Easy Creek shale
 - Pbe Beathe limestone - Stearns shale
 - Pg Grenola limestone - Eskridge shale
 - Pre Red Eagle limestone - Roca shale
 - Pfo Foraker limestone - Johnson shale (Source or potential source of aggregate, structural stone, road metal, riprap)
 - Admire group
 - Pfp Five Point limestone - Hamlin shale
 - Pfc Falls City limestone - West Branch shale
 - Pa Asanwahi limestone - Hawkey shale
 - Pt Towle shale (Unnamed shale member)
 - Pth Towle shale (Indian Cave sandstone member) (Source or potential source of structural stone, road metal, aggregate, riprap)
 - Wabaunsee group
 - Cbr Brownville limestone
 - Ccv Caneyville limestone - Pony Creek shale
 - Cpf Pony Creek, French Creek, and Friedrich shales (undifferentiated)
 - Ccf Caneyville limestone - French Creek shale
 - Cjc Jim Creek limestone - French Creek shale
 - Cgh Grandhaven limestone - Friedrich shale
 - Cdo Dover limestone - Dry shale
 - Cmh Maple Hill limestone - Langdon shale
 - Ct Tarkio limestone - Wamego shale
 - Ce Elmont limestone - Willard shale
 - Cr Reaching limestone - Harveyville shale
 - Cwa Auburn shale (Source or potential source of structural stone, road metal, aggregate, riprap)

- Geologic contact
- Operated pit or quarry
- Prospect pit or quarry
- Glacial boulders
- fa Fine aggregate
- ma Mixed aggregate
- ca Coarse aggregate
- lg Limestone gravel
- cg Chert gravel
- ls Limestone
- sh Shale
- ma (inclined letters indicate materials not tested)
- ma 2 (vertical letters indicate materials listed in Table I and their sample numbers)
- IO Quantity of material available (in units of 10,000 cubic yards)
- State highway
- Other roads, all classes
- Railway
- City
- Section line
- Township corner
- Stream, permanent
- Stream, intermittent
- Artificial lake

Base adapted from maps prepared by the State Highway Commission of Kansas. Drainage from aerial photographs provided by U.S. Department of Agriculture. Drafted by V.L. Stallbaumer and C.E. Grieshaber.



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PLATE I
 MAP SHOWING CONSTRUCTION MATERIALS AND GEOLOGY OF WABAUNSEE COUNTY, KANSAS
 1950