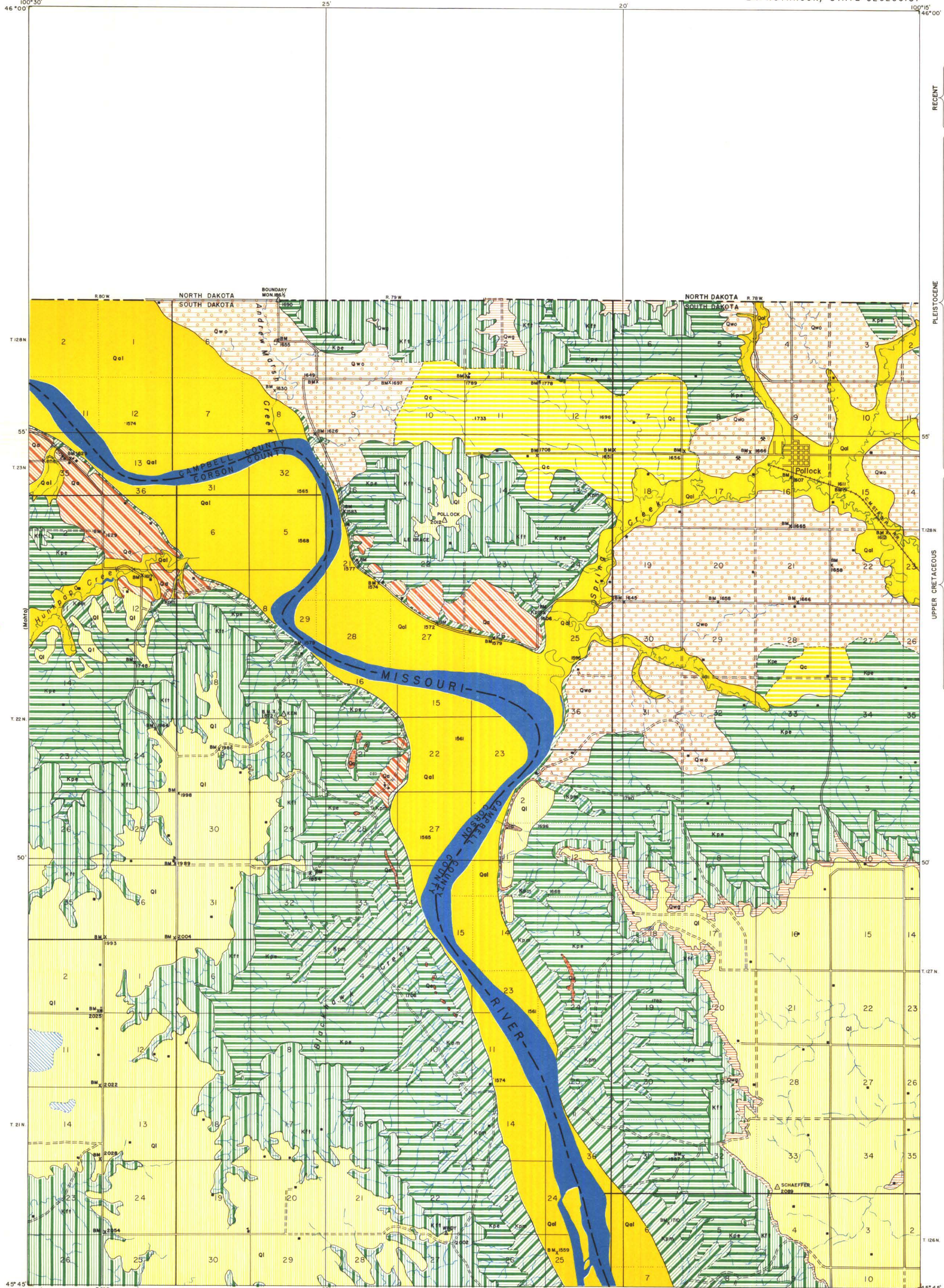


AREAL GEOLOGY OF THE POLLOCK QUADRANGLE


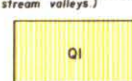
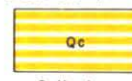
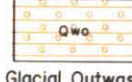
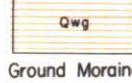
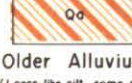
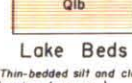

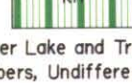
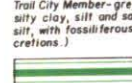
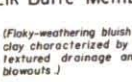
STATE OF SOUTH DAKOTA
SIGURD ANDERSON, GOVERNOR

STATE GEOLOGICAL SURVEY
E. P. ROTHROCK, STATE GEOLOGIST





EXPLANATION

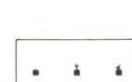

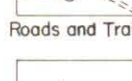


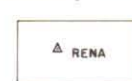
SEDIMENTARY ROCKS

- | | | |
|------------------|---|---------------------|
| RECENT | 
Qal
Alluvium
<i>(Floodplain deposits of silt, sand, and gravel in present stream valleys.)</i> | |
| | 
Ql
Loess
<i>(Wind-blown silt, marking terraces and uplands.)</i> | |
| | 
Qc
Colluvium
<i>(Slope wash partly filling pre-glacial channel.)</i> | |
| PLEISTOCENE | 
Qwo
Glacial Outwash
<i>(Fluvial and glacialfluvial clean sand and fine gravel.)</i> | Wisconsin |
| | 
Qwg
Ground Moraine
<i>(Undifferentiated drift dominantly boulder clay.)</i> | |
| | 
Qo
Older Alluvium
<i>(Loess-like silt, some sand and gravel, forming terraces.)</i> | |
| | 
Qlb
Lake Beds
<i>(Thin-bedded silt and clay forming terraces.)</i> | |
| | 
Qem
Older End Moraine
<i>(Concentration of glacial boulders, possibly "let down" end moraine.)</i> | |
| UPPER CRETACEOUS | 
Kpe
Timber Lake and Trail City Members, Undifferentiated
<i>(Upper Timber Lake Member: friable sandstone with fossiliferous concretions, cliff forming. Lower Trail City Member: gray, silty clay, silt and sandy silt, with fossiliferous concretions.)</i> | Fox Hills Formation |
| | 
Kpe
Elk Butte Member
<i>(Flint-weathering bluish gray clay characterized by fine-textured granage and blockage.)</i> | |
| | 
Kpe
Mobridge Member
<i>(Interbedded gray clay and calcareous clay in upper part, buff-weathering red beds interbedded with bluish gray clay.)</i> | Pierre Formation |

DRAINAGE

-  Intermittent Streams
-  Intermittent Lakes

CULTURE

-  Buildings
(House, church and school.)
-  Roads and Trails
-  Altitudes
(In feet above sea level.)
-  Bench Marks
(Monument marking point of known altitude.)
-  Triangulation Stations
(Monument marking point of exact geographic location.)
-  Gravel Pits and Quarries

Geology by Brewster Baldwin
Assisted by Paul Doran
Surveyed in 1950

Based on maps by Corps of Engineers
U. S. Army, and Geodetic data from U. S.
Coast and Geodetic Survey

