

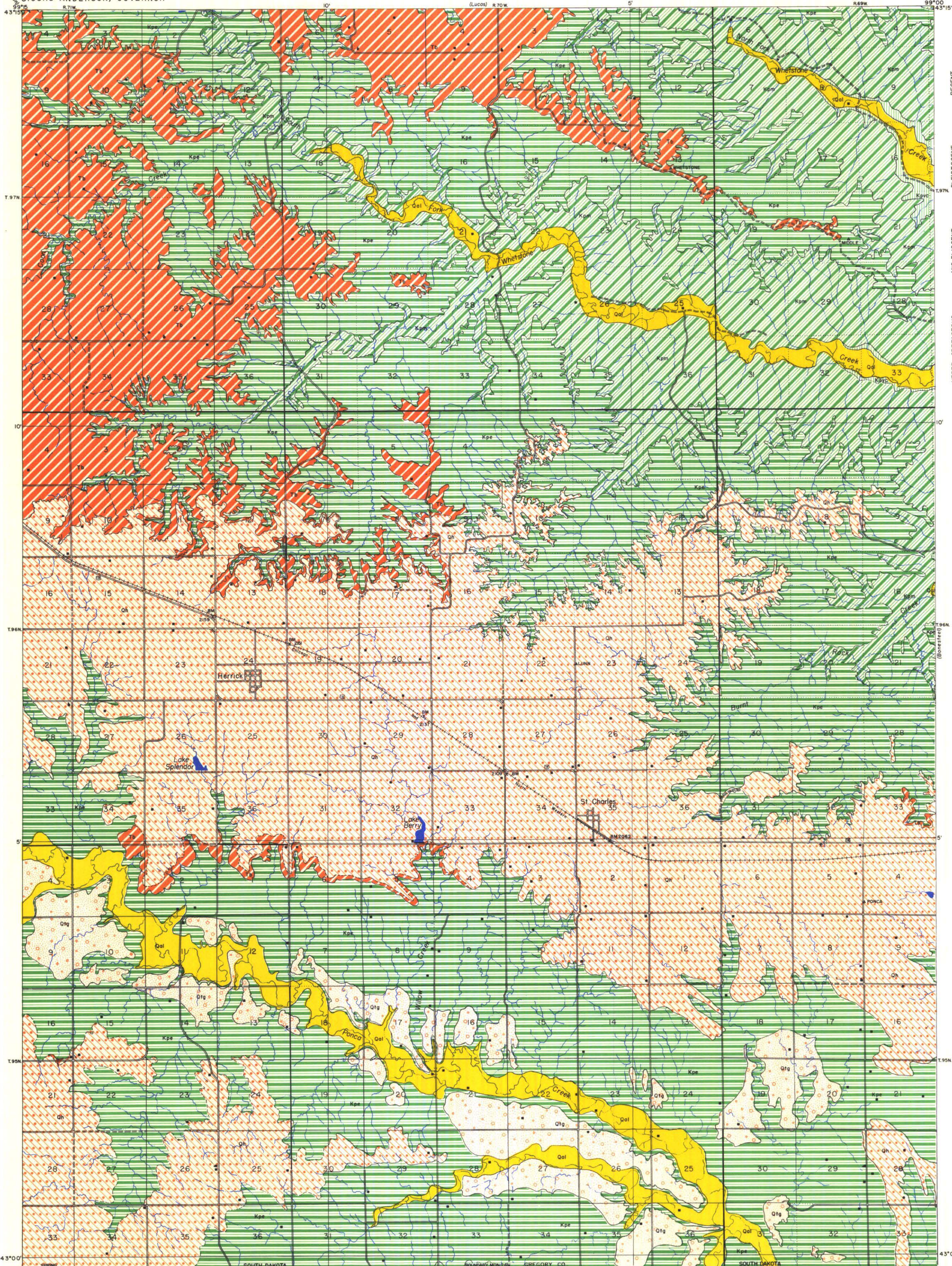
AREAL GEOLOGY

OF THE

HERRICK QUADRANGLE

STATE OF SOUTH DAKOTA
SIGURD ANDERSON, GOVERNOR

STATE GEOLOGICAL SURVEY
E. P. ROTHROCK, STATE GEOLOGIST



EXPLANATION

SEDIMENTARY ROCKS

- | | | |
|--|---|---|
| <p>RECENT</p> <p>PLEISTOCENE</p> <p>MIO-PLIOCENE</p> <p>UPPER CRETACEOUS</p> | <p>QUATERNARY</p> <p>QUATERNARY</p> <p>TERTIARY</p> <p>CRETACEOUS</p> | <p>Qal
Alluvium
(Flood plain deposits of silt, sand and gravel in present stream valleys.)</p> <p>Qtg
Terrace Gravels
(Fluvial terrace deposits of ferruginous sands and pebble gravels.)</p> <p>Qh
Herrick Gravels
(Fluvial terrace ferruginous sand and gravel on upland surface.)</p> <p>Ts
Bijou Formation
(Interbedded siltstone, sandstone and pebble conglomerate. Partly silicified.)</p> <p>Kpe
Elk Butte Member
(Brownish-gray bentonitic clay with ferruginous and limy concretions.)</p> <p>Kpm
Mobridge Member
(Gray fossiliferous marl, weathers buff.)</p> <p>Kvc
Virgin Creek Member
(Black carbonaceous clay-shale with numerous bentonites and concretions.)</p> |
|--|---|---|

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 C. L. Baker, R. E. Stevenson and L. A. Carlson
Assisted by R. Prunty
Surveyed in 1949-1950

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

Scale 62500

1952

APPROXIMATE MEAN
DECLINATION 1947