

EXPLANATION

Qal
Alluvium
(Semistratified deposits of sand, silt, and clay, humic, brown to black; in stream flood plains, lakes and ponds; 0-60 feet thick.)

Qco
Colluvium
(Chiefly reworked fill, consists of brown to dark-gray clay with rock fragments, partly stratified; forms plain at foot of Coteau; Found only in extreme southwest corner of area; 0-6 feet thick.)

Qal
Older Alluvium
(Humic sand and gravel, poorly sorted, semistratified, oxidized; occurs as terrace deposits along Sand Creek southwest of Algona; 0-5 feet thick.)

Qwlo
Outwash
(Stratified deposits of poorly sorted sand and gravel; may have interbedded lacustrine deposits; 0-90 feet thick.)

Qwie
End Moraine
(Boulder-clay till, olive-brown to olive-gray, calcareous, compact, mostly black, contains carbonized wood in places, characterized by rolling to rugged topography.)

Kp
Pierre Shale
(Gray to black, fissile to blocky marine shale; crops out in tributary to Firesteel Creek in southwest part of area.)
* small outcrop.

Ice-Marginal Channel
Meltwater channel from which sand and gravel has been partly or wholly removed, locally occupied by alluvium.

Major Morainal Crest

Gravel Pit
X BM 1309
Bench Mark
(monument showing exact altitude above sea-level)

Triangulation Station
(monument marking exact geographic location)

House, School, Church

House, School, Church (abandoned)

Cemetery

Intermittent stream

Intermittent lake

Lake

Drainage ditch

Geologic Contact
(dashed where approximately located)

RECENT

QUATERNARY

WISCONSIN

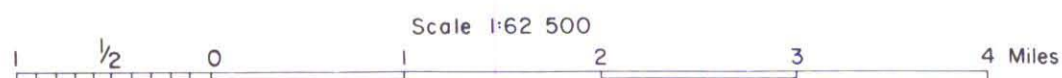
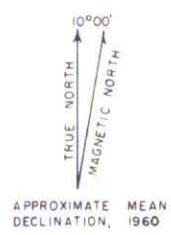
PLEISTOCENE

LATE

UPPER CRETACEOUS

CRETACEOUS

Geology by Fred V. Steece 1959, 1961, 1962
Assisted by Jim D. Hammell, 1959,
Richard Brown, 1961; James A. M'Neen, 1962
Base adapted from Army Map Service
Huron and Mitchell 1"x2" Topographic maps
(scale 1:250,000)
Drafted by Elizabeth H. Garnos



Vermillion, South Dakota
1967

