

Base compiled from Bureau of Land
Management township plats.

PRELIMINARY GEOLOGIC MAP OF THE
GOOSE MOUNTAIN NO. 2 QUADRANGLE, MONTANA

Scale 1:48,000

0 1 2 3 MILES

Geology mapped in 1946 by
J. F. Smith, I. J. Witkind, D. E.
Trimble and E. G. Duckworth.

OPEN FILE REPORT

This map is preliminary and has not been
edited or reviewed for conformity with
Geological Survey standards or nomenclature.

Montana (Goose Mountain no. 2 quad). Geol. 1:48,000. 1946.
copied.

Recent

Pleistocene

Upper Cretaceous

QUATERNARY

CRETACEOUS

Qal

Alluvium

Interbedded light-brown to gray clay, silt, sand,
and fine gravel. Unconsolidated.

Qf

Alluvial fans

Interbedded light-brown to gray clay, silt, and
sand. Unconsolidated.

Qco?

Channel Outwash

Interbedded sand and gravel, minor amounts
of clay and silt. Unconsolidated.

Qt

Terraces

(Qt₁ highest, Qt₂ lowest)

River terraces capped with stratified gravel in a
matrix of fine- to medium-grained sand. Pebbles
and cobbles largely quartzite.

Qs

Lake deposits

Light tan, bedded silt with lenses of fine sand
and intermixed coal fragments. Thin beds of
light brown and dark gray clay.

Qkt

Kame terraces

Interbedded silt, sand, and gravel.

Qm

Ground moraine

Unstratified mixture of buff to light-gray clay,
silt, and sand, containing minor amounts of pebbles,
cobbles, and boulders.

Qmg

Recessional moraine

Area of hummocky, knob and kettle topography.
Lithology same as ground moraine.

Qag

Pre-till gravel

Predominantly quartzite pebbles and cobbles in a
matrix of fine- to medium-grained sand.

Kf

Judith River formation

Interbedded light-gray to buff sandstone, shale,
and clay.

Kcl

Glaugette shale

Brownish-gray marine shale.

Ke

Eagle sandstone

Gray to buff mudstone; buff, generally friable
and calcareous sandstone; subordinate shale
and siltstone; thin coal seams and carbonaceous
shale layers; discontinuous, calcareous,
ironstone concretion horizons.

Kv

Virgelle sandstone

Grayish-buff to yellow, fine- to coarse-grained
sandstone, massive to cross-bedded. Brown ferruginous,
calcareous sandstone concretions scattered
throughout but most common in upper part.

Kt

Telegraph Creek formation

Interbedded fine-grained gray sandstone and light-
to dark-gray marine shale.

Kc

Colorado shale

Dark-gray to black marine shale.

Buried preglacial channel of Marias River
and tributary.

Contact

(Dashed where approximately located)

(Kjr)

(Kcl)

Concealed bedrock contact
(Symbols in parentheses indicate concealed bedrock
not shown in areas of numerous bedrock outcrops)

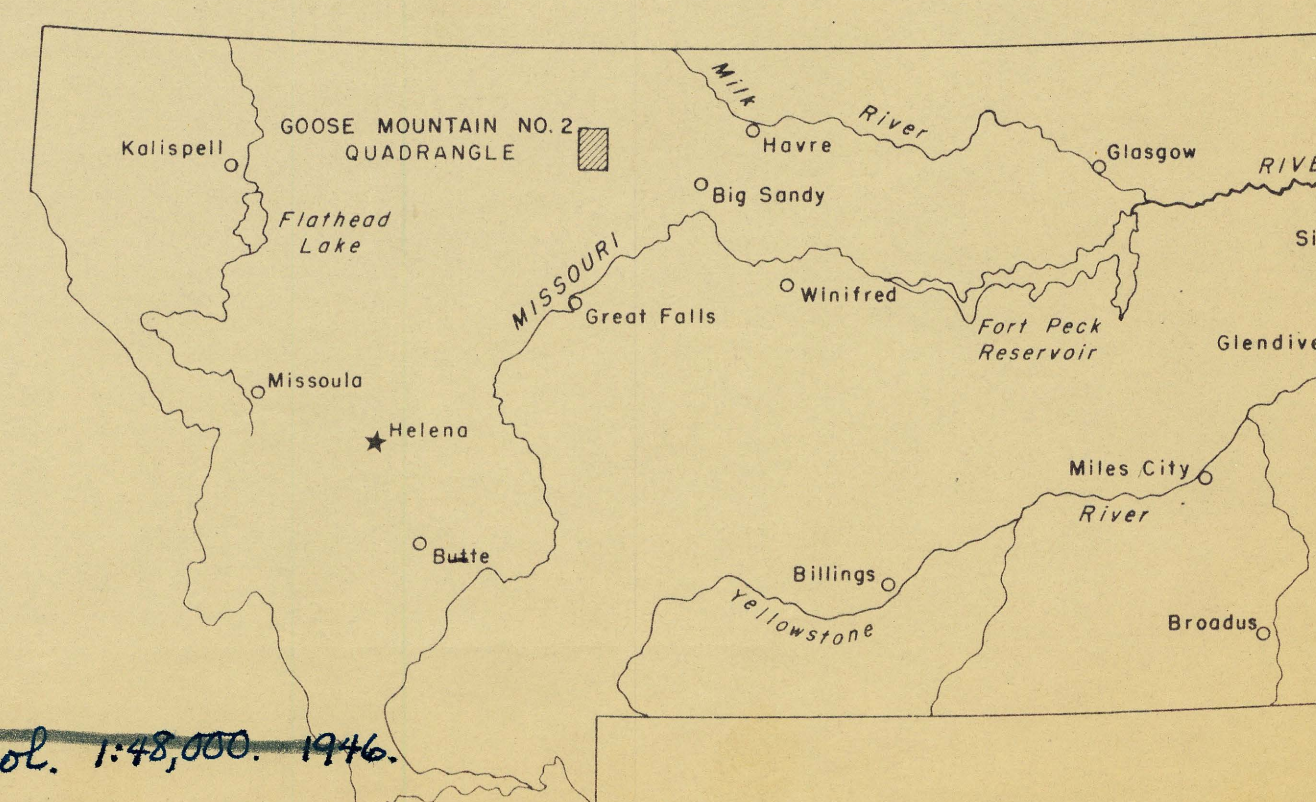
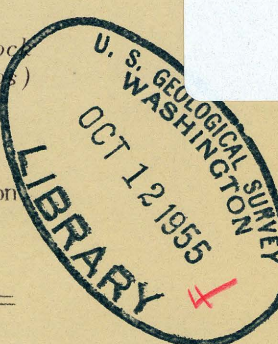
Intermittent streams
with lake or pond

Closed depression

Improved road

Unimproved road

M(200)
R290
no. 55-167
C-1



INDEX MAP OF MONTANA

