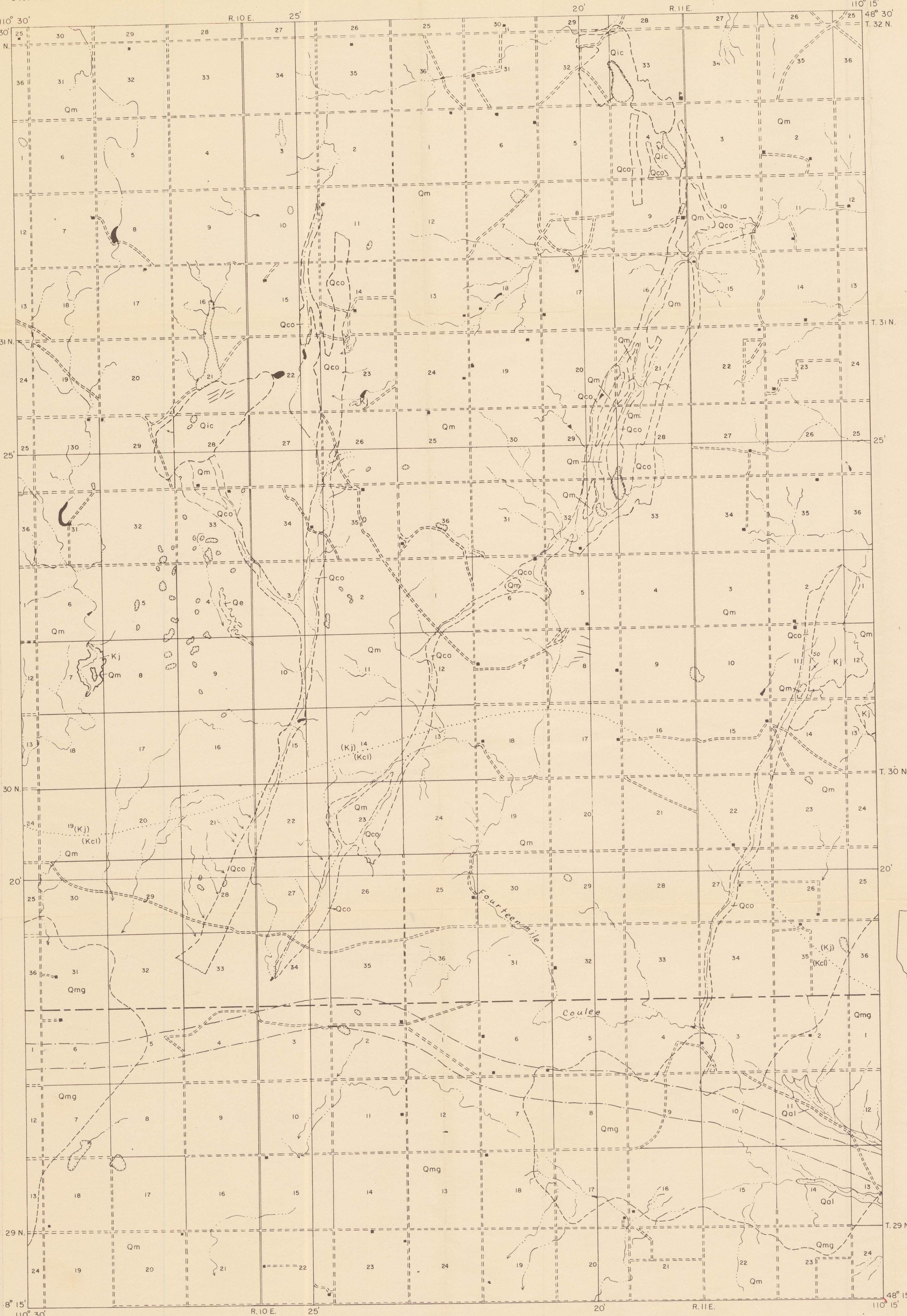


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A 42m
(Lonesome Lake quad.)

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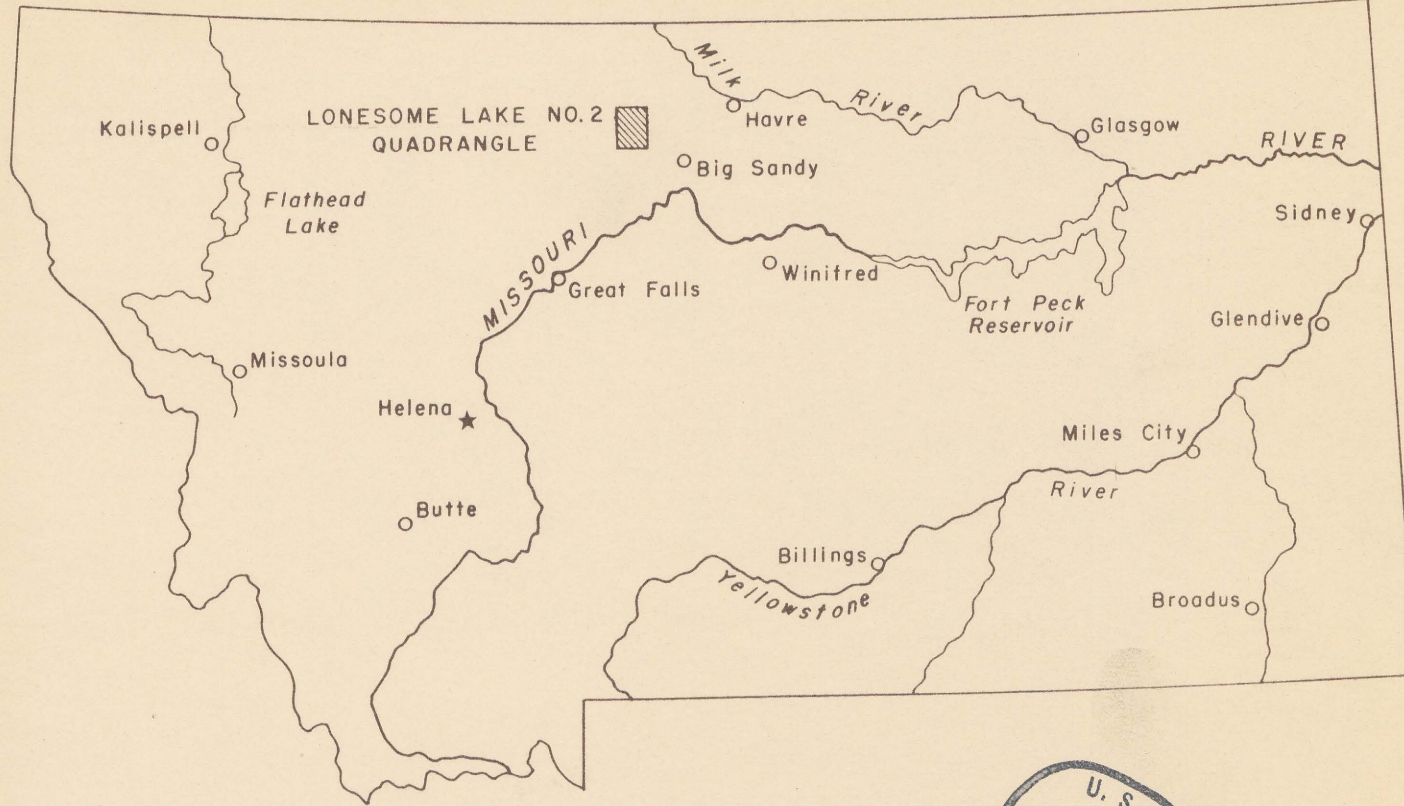
Prepared as part of a program of the Department of the Interior
for development of the Missouri River Basin

MISSOURI RIVER BASIN
MAPPING AND MINERAL RESOURCE INVESTIGATIONS
LONESOME LAKE NO. 2 QUADRANGLE, MONTANA



EXPLANATION

Recent	Qal Alluvium Interbedded light-brown to gray clay, silt, sand, and fine gravel. Unconsolidated.	QUATERNARY
	Qco Channel outwash Interbedded sand and gravel, minor amounts of clay and silt. Unconsolidated.	
	Qe Esker Stratified or semi-stratified sand and gravel with minor amounts of silt and clay; permeable; unconsolidated.	
Pleistocene	Qic Ice contact deposits Interbedded silt, sand, and gravel. Unconsolidated.	QUATERNARY
	Qm Ground moraine Unstratified mixture of buff to light-gray clay, silt, and sand, containing minor amounts of pebbles, cobbles, and boulders.	
	Qmg Recessional moraines Area of hummocky, knob and kettle topography. Lithology same as ground moraine.	
Upper Cretaceous	Kj Judith River formation Interbedded light gray to buff sandstone, shale, and clay.	CRETACEOUS
	Kcl Claggett shale Brownish-gray marine shale. Not exposed but underlies glacial deposits in southern third of quadrangle.	
Buried preglacial channel of Marias River		
Contact (Dashed where approximately located)		
(Kjr) (Kcl)		
Concealed bedrock contact (Symbols in parenthesis indicate concealed bedrock)		
50	Strike and dip	Strike of vertical beds
	Intermittent streams with lake or pond	Closed depression
	Improved road	Unimproved road



INDEX MAP OF MONTANA

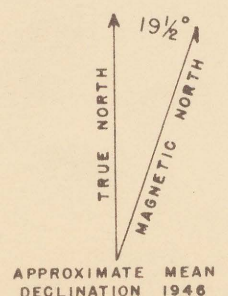
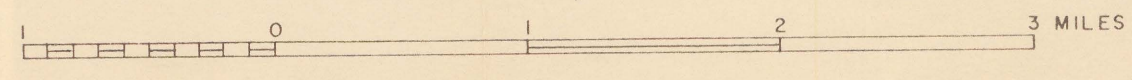
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Base compiled from Bureau of Land Management township plats.

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

PRELIMINARY GEOLOGIC MAP OF THE
LONESOME LAKE NO. 2 QUADRANGLE, MONTANA

Scale 1:48,000



Montana (Lonesome Lake no. 2. quad.) Geol. 1:48,000 1946.
cop. 1.

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

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