UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

BLACK CREEK QUADRANGLE
MICHIGAN-KALKASKA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

N4437.5—W8452.5/7.5

AU SABLE

BEAR LAKE

Mallard Lake

Upper Black Lake

Middle Black Lake

South Black Lake

Cub Lake

STATE FOREST

KALKASKA

Black Creek

Johnsons Lake

AU SABLE STATE FOREST
HIGGINS LAKE STATE FOREST

Cranberry Lake

HIGGINS LAKE

OLIVER

HIGGINS LAKE STATE FOREST

CAMP GRAYLING

MILITARY RESERVATION

MICHIGAN NATIONAL GUARD

Richardson Swamp

Pemberthy Crossing

(FLETCHER)

INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C.—1953
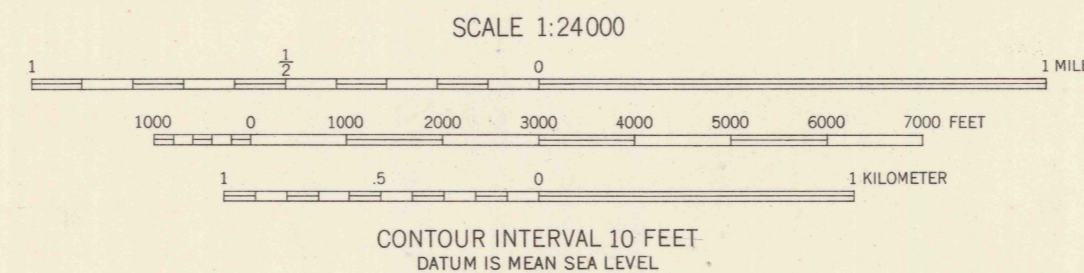
SCALE 1:24000

Mapped by the Army Map Service
Published for civil use by the Geological Survey
Control by USGS, USC&GS and USCE

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1949. Field check 1949

Polyconic projection. 1927 North American datum
10,000-foot grid based on Michigan coordinate system,
central zone

No distinction is made between barns, dwellings,
commercial and industrial buildings

Dashed land lines indicate approximate locations

Unchecked elevations are shown in brown

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN
DECLINATION, 1949

1 MILE

1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

MICHIGAN
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty _____ 4 LANE | 6 LANE   Light-duty _____
Medium-duty _____ 4 LANE | 6 LANE   Unimproved dirt =========

○ U. S. Route   ○ State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

BLACK CREEK, MICH.
N4437.5—W8452.5/7.5

1949