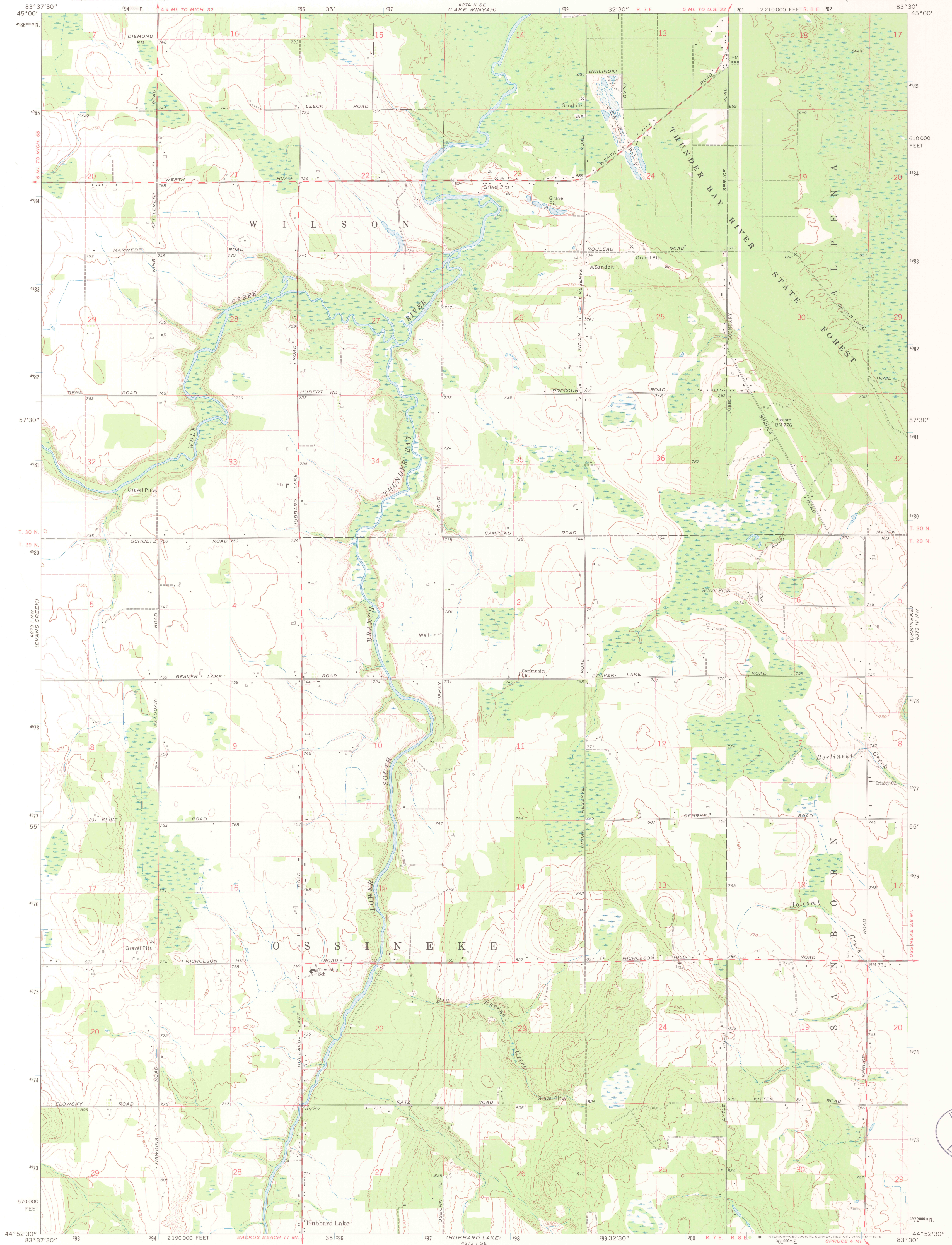
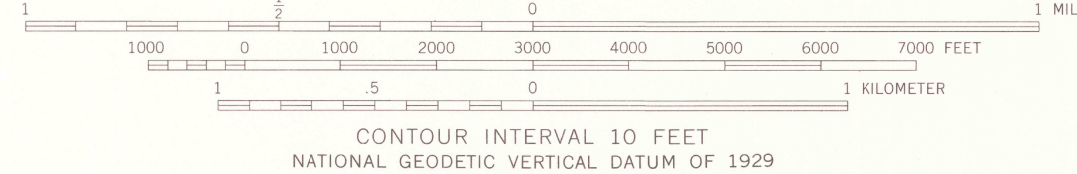
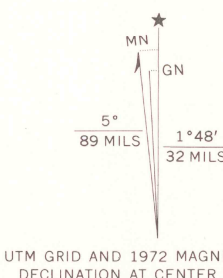


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BIG RAVINE CREEK QUADRANGLE
MICHIGAN—ALPENA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by photogrammetric methods from aerial
photographs taken 1971. Field checked 1972
Projection and 10,000-foot grid ticks: Michigan coordinate
system, central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue. 1927 North American datum
Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked



ROAD CLASSIFICATION
Primary highway, hard surface ——— Light-duty road, hard or improved surface ———
Secondary highway, hard surface ——— Unimproved road ———
○ Interstate Route □ U.S. Route ○ State Route

BIG RAVINE CREEK, MICH.
N4452.5—W8330/7.5

1972

AMS 4273 1 NE—SERIES V662

