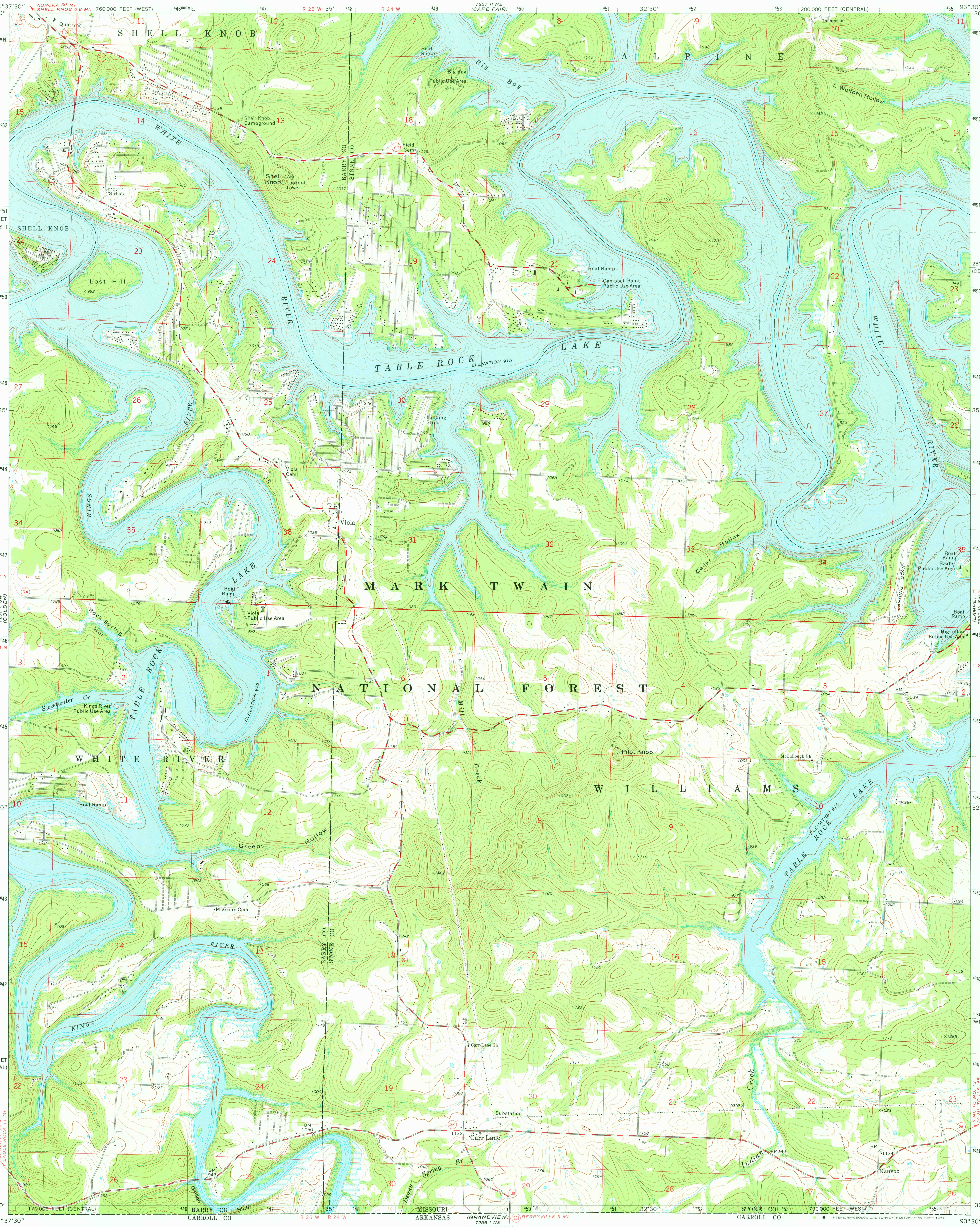
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VIOLA QUADRANGLE
MISSOURI
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 SHELL KNOB 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1973. Field checked 1974

Projection: Missouri coordinate system, central zone (transverse Mercator)
10,000-foot grid ticks based on Missouri coordinate system, central and west zones
1000-metre Universal Transverse Mercator grid ticks, zone 15, shown in blue. 1927 North American datum

Areas covered by dashed light-blue pattern are subject to controlled inundation

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1974 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

GN MN 0°20' 6 MILS 6° 107 MILS

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETRE

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND THE DIVISION OF RESEARCH AND TECHNICAL INFORMATION
MISSOURI DEPARTMENT OF NATURAL RESOURCES, ROLLA, MISSOURI 65401
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MISSOURI
QUADRANGLE LOCATION

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

FEB 1 6 1978

USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION

4000

VIOLA, MO.
SE/4 SHELL KNOB 15' QUADRANGLE
N3630—W9330/7.5

1974

AMS 7257 II SE—SERIES V879