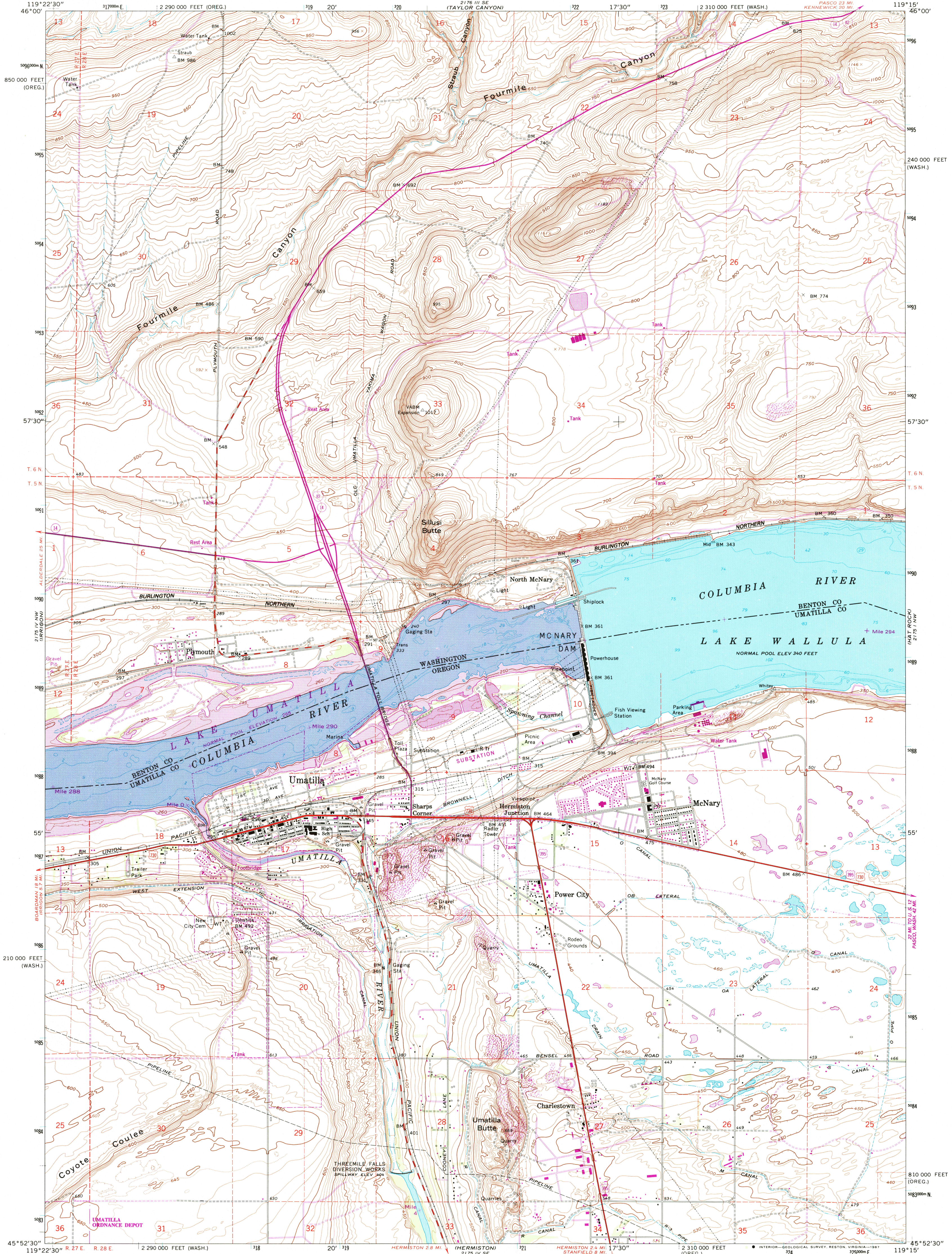
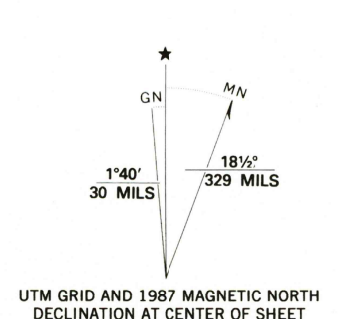


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UMATILLA QUADRANGLE
OREGON—WASHINGTON
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 1958 and 1960. Field checked 1962
Selected hydrographic data compiled from
USC&GS Charts 6162 (1961) and 6163 (1962)
This information is not intended for navigational purposes
Polyconic projection. 1927 North American datum
10,000-foot grids based on Washington coordinate system,
south zone, and Oregon coordinate system, north
zone 11, shown in blue
To place on the predicted North American Datum 1983,
move the projection lines 19 meters north and
85 meters east as shown by dashed corner ticks



SCALE 1:24,000
CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET
DATUM BELOW MCNARY DAM IS MEAN LOW WATER
GRADIENT ESTABLISHED BY CORPS OF ENGINEERS
DATUM ABOVE MCNARY DAM IS NORMAL POOL ELEVATION 340 FEET
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U.S. Route ——— State Route ———
Interstate Route ———
Revisions shown in purple compiled from aerial
photographs taken 1981 and other sources
This information not field checked. Map edited 1987
1982
PHOTOREVISED 1987
DMA 2175 IV NE-SERIES V891



UMATILLA, OREG.—WASH.
45119-H3-TF-024

USGS NMD HISTORICAL MAP
MAY 3 1 1988
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