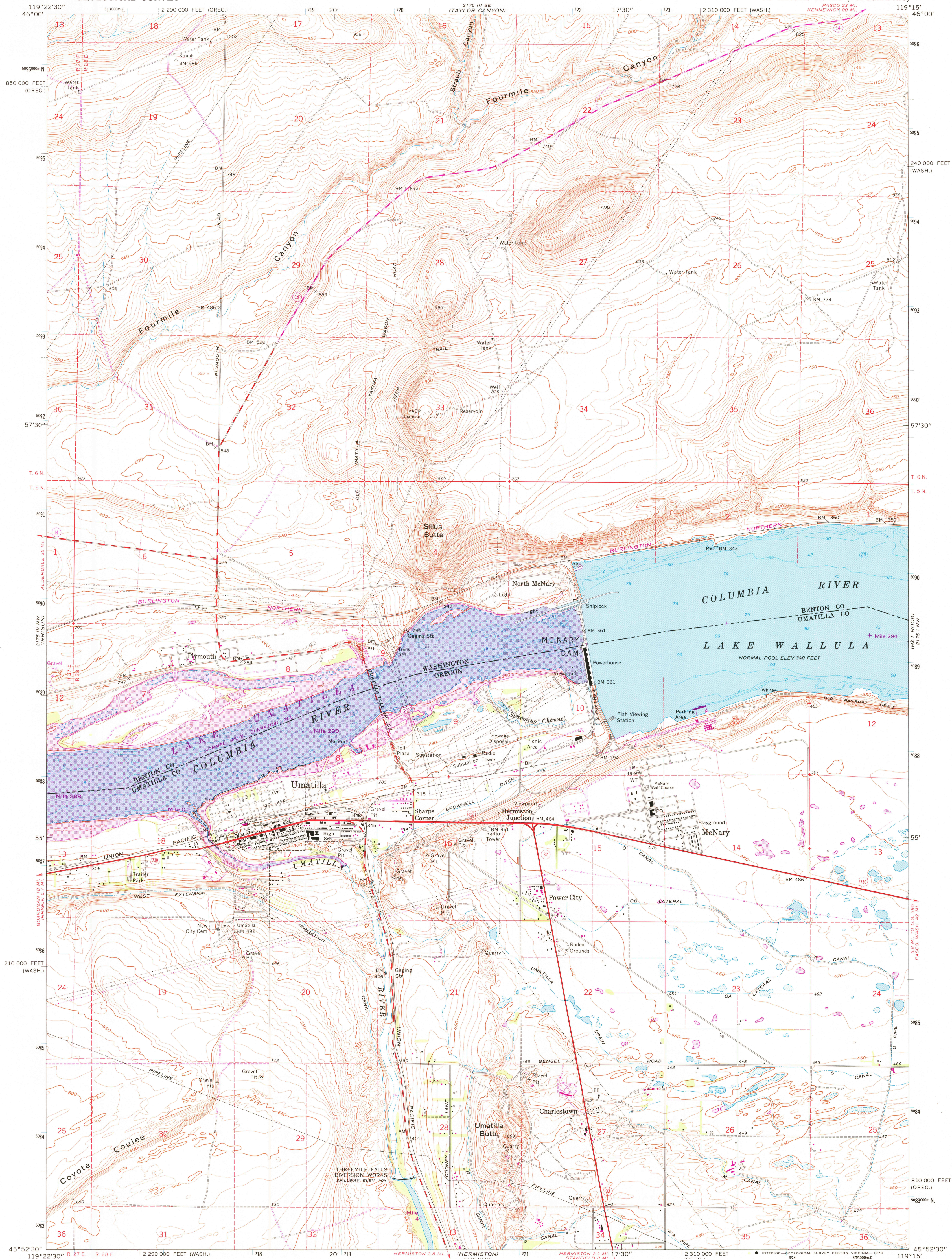


UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UMATILLA QUADRANGLE
OREGON-WASHINGTON
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

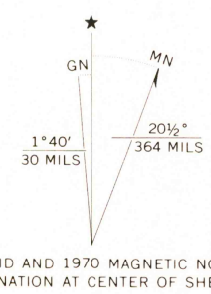
Topography by photogrammetric methods from aerial
photographs taken 1958 and 1960. Field checked 1962

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
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue

Fine red dashed lines indicate selected fence lines

Revisions shown in purple compiled from aerial photographs
taken 1970. This information not field checked



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

USGS
Historical File UMATILLA, OREG.-WASH.
Topographic Division N4552.5-W11915/7.5

1962
PHOTOREVISED 1970
AMS 2175 IV NE-SERIES V891

JUL 11 1978

2950