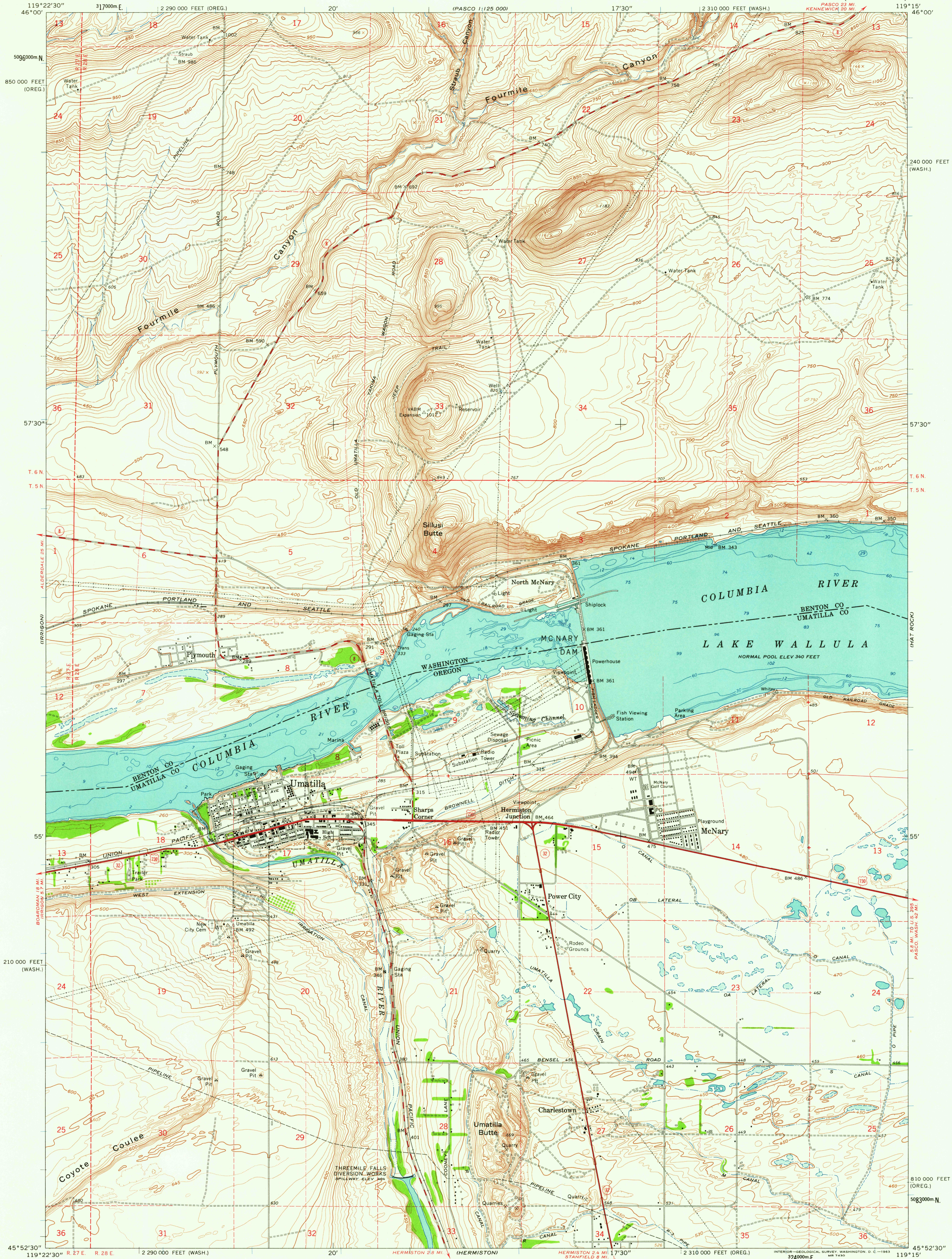
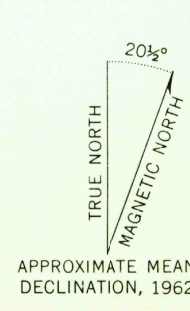


UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

UMATILLA QUADRANGLE  
WASHINGTON-OREGON  
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



SCALE 1:24,000  
CONTOUR INTERVAL 10 FEET  
DOTTED LINES REPRESENT 5-FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL  
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 25, COLORADO OR WASHINGTON 25, D. C.  
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 ———  
QUADRANGLE LOCATION  
WASHINGTON  
U.S.G.S. FILE COPY  
TOPOGRAPHIC DIVISION  
UMATILLA, WASH.—OREG.  
N45525—W11915/7.5  
1962

USGS  
Historical File  
Topographic Division  
JUL 11 1963  
2970