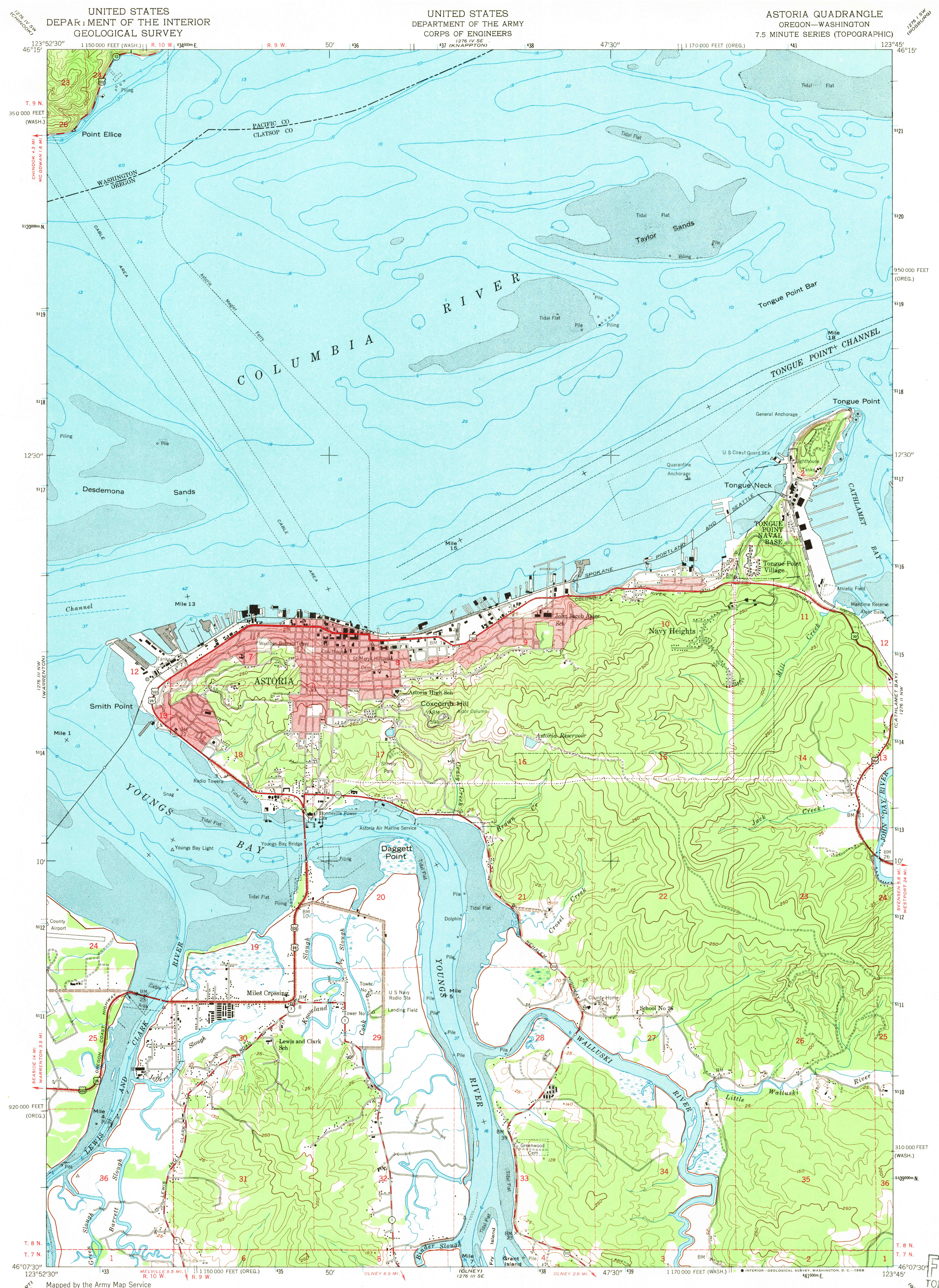




Mapped by the Army Map Service
 Published for civil use by the Geological Survey
 Control by USC&GS, USCE, Oregon State Highway
 Department, and Pacific Power and Light Company
 Topography from aerial photographs by multiplex methods
 Aerial photographs taken 1943. Field check 1949
 Coastal hydrography compiled from USC&GS Chart 6151, 1949
 Polyconic projection. 1927 North American datum
 10,000-foot grids based on Oregon coordinate system
 north zone, and Washington coordinate system, south zone
 Red tint indicates areas in which only
 landmark buildings are shown
 Dashed land lines indicate approximate locations
 1000-meter Universal Transverse Mercator grid ticks,
 zone 10, shown in blue

SCALE 1:24,000
 0 1000 2000 3000 4000 5000 6000 7000 FEET
 0 1 2 3 4 5 6 7 8 9 10 KILOMETER
 CONTOUR INTERVAL 50 FEET
 DASHED LINES REPRESENT HALF-INTERVAL CONTOURS
 DATUM IS MEAN SEA LEVEL
 DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 8 FEET
 THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
 FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION 1951
 Heavy-duty 4 LANE 6 LANE Light-duty
 Medium-duty 4 LANE 6 LANE Unimproved dirt
 U. S. Route State Route
 U.S.G.S. Historical File Topographic Division
 ASTORIA, OREG.—WASH.
 N4607.5—W12345/7.5
 1949
 AMS 1276 III NE—SERIES V892

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