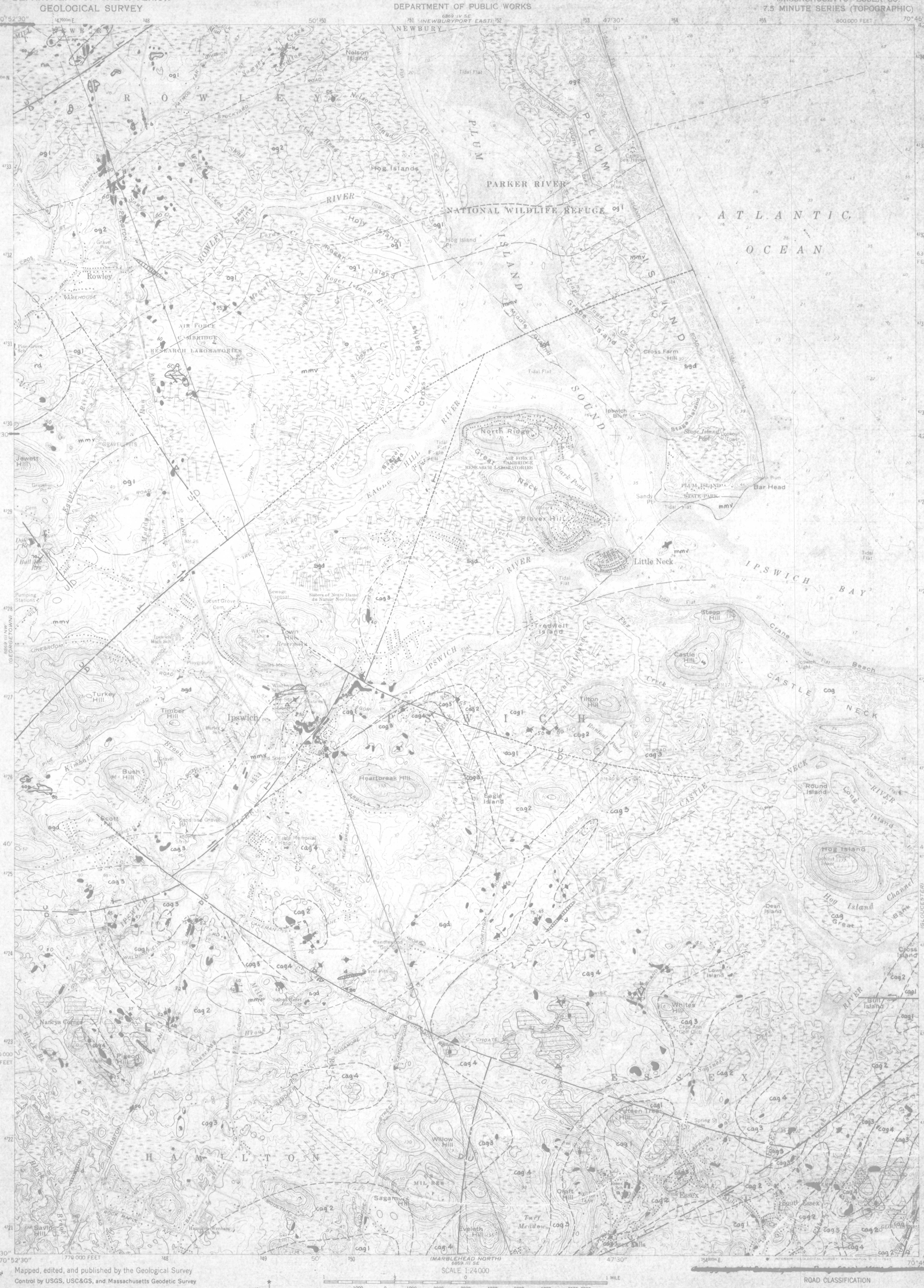
PREPARED IN COOPERATION WITH THE

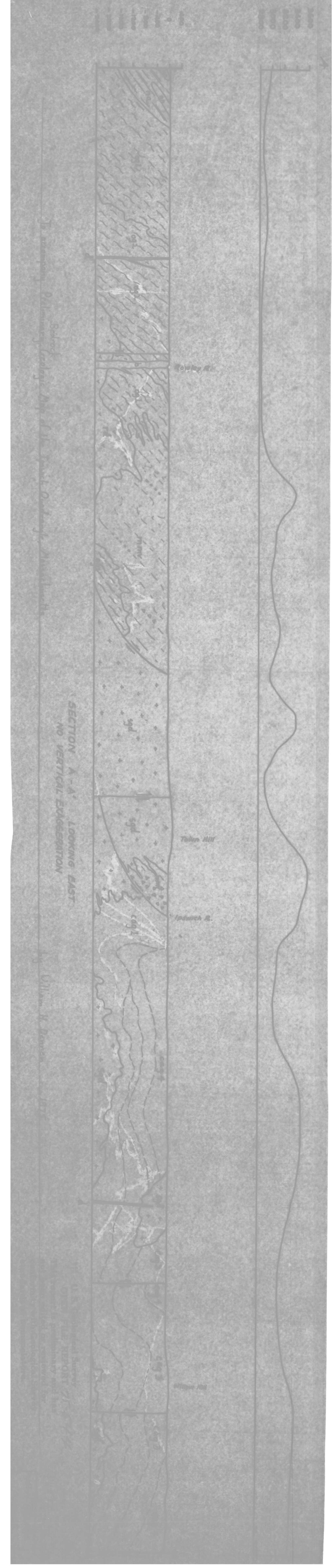
75-544 sheet 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

IPSWICH QUADRANGLE
MASSACHUSETTS–ESSEX CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)





bedding
foliation
shear
cataclasis

Dikes
> 5'
< 5'
b basalt
d diabase
a aplite or pegmatite

⊙ DDH

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and Massachusetts Geodetic Survey

Topography by planetable surveys 1941–1942. Revised 1966

Selected hydrographic data compiled from USC&GS Charts 213 (1965) and 243 (1964). This information is not intended for navigational purposes

Polyconic projection. 1927 North American datum
10,000-foot grid based on Massachusetts coordinate system, mainland zone
1000-meter Universal Transverse Mercator grid ticks, zone 19, shown in blue

Boundaries in tidewater areas from information furnished by Massachusetts Department of Public Works

above information applies to the topographic base map

UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 8.6 FEET

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
State Route

QUADRANGLE LOCATION

Geology mapped during 1968–69, 1971. Assistance in the field by Kevin Reddy (1968) and Mario Carnevale (1971)

IPSWICH, MASS.
N4237.5—W7045/7.5
1966
AMS 6869 III NE—SERIES V814

SPECIAL PRINTING
Contours and woodland symbols omitted

Preliminary Bedrock Geologic Map, Ipswich, Quadrangle, Massachusetts

by William H. Dennen
1975

U. S. Geological Survey
OPEN FILE REPORT 75-544
This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

PLATE 1 of 2

Massachusetts (Ipswich quad). Geol. 1:24,000. 1975 sheet 1 cop. 1

U.S. GEOLOGICAL SURVEY RESTON, VA. OCT 22 1975 LIBRARY

open file