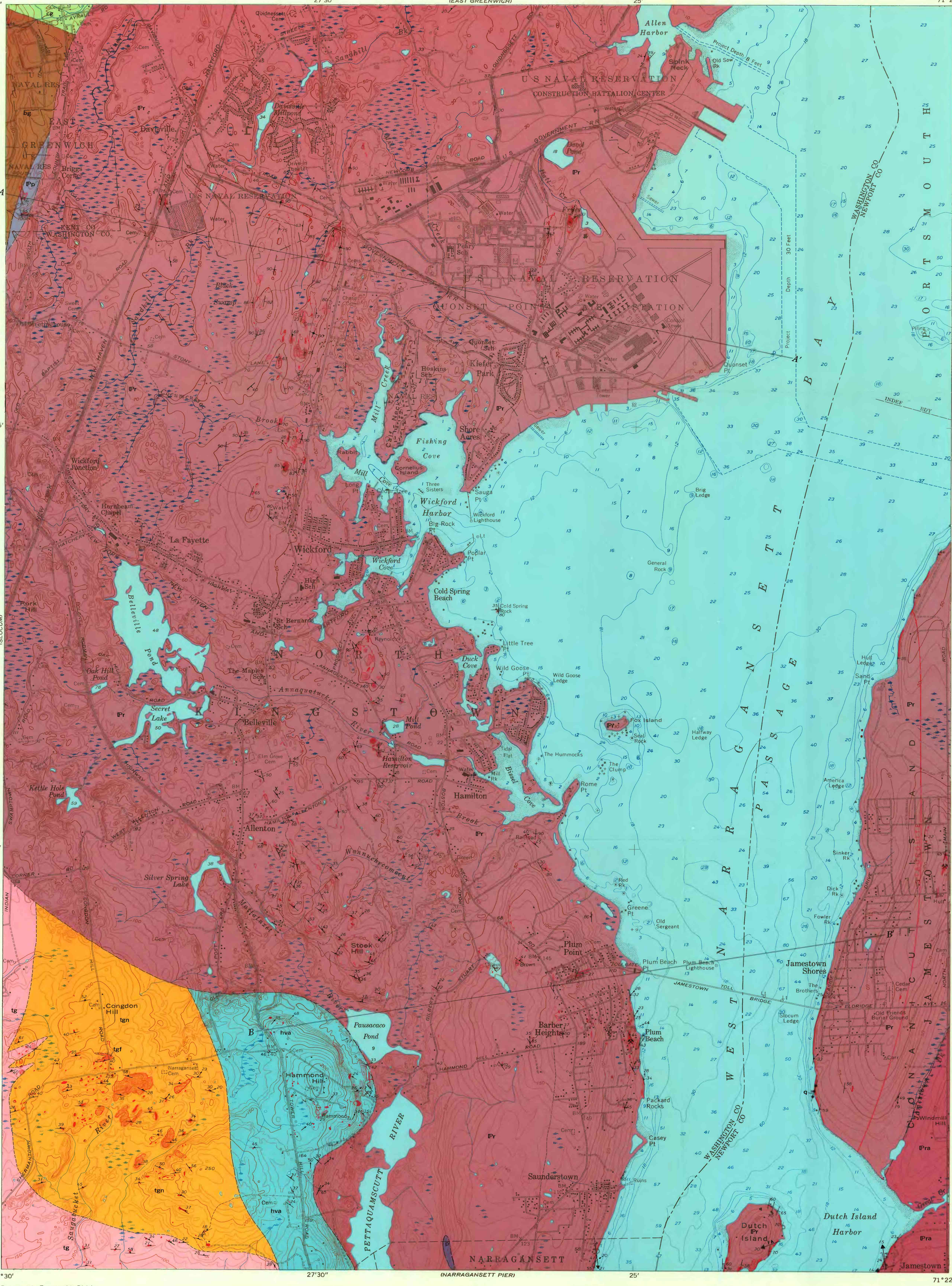
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1158–C
PLATE 1



Base map by Topographic Division
U.S. Geological Survey, 1957

Geology by R. B. Williams, 1956

EXPLANATION

PENNSYLVANIAN OR POST-PENNSYLVANIAN

q — Quartz vein
Milky quartz, with crenulated schistose inclusions

p — Pegmatite
Light yellowish-gray, mostly massive; no zoning but with local concentrations of quartz and microcline

PENNSYLVANIAN — Sedimentary rocks of the Narragansett basin

ℙra, ℙr — Rhode Island Formation
ℙra, *argillaceous facies: dark greenish-gray to black phyllitic beds of originally argillaceous sediments.*
ℙr, *undifferentiated facies: includes light- to dark-gray metasandstone and conglomerate and mica schists; may include Pondville Conglomerate in covered areas*

ℙp — Pondville Conglomerate
Light-to dark-green schistose and conglomeratic quartzite

MISSISSIPPIAN(?) — Plutonic rocks

cg — Cowesett Granite

MISSISSIPPIAN(?) OR OLDER — Plutonic rocks

tgn, tgf, tg — Ten Rod Granite Gneiss
tgn, *nonporphyritic facies: cream-colored gneiss; major constituents are smoky quartz, plagioclase, and microcline.*
tgf, *fine-grained facies, tan to buff; some red stain.*
tg, *porphyritic facies, gray, strongly foliated; major constituents are quartz, phenocrysts of microcline and plagioclase, and biotite*

hva — Hope Valley Alaskite Gneiss
Flesh-colored to orange gneiss, with rod-shaped aggregates of quartz; low biotite content; major minerals are microcline, plagioclase, and quartz

PRECAMBRIAN (?) — Blackstone Series(?)

bg — Biotite gneiss
Light-gray gneiss, with bands of biotite schist; porphyroblastic quartz and feldspar stand out in relief; major constituents are quartz, microcline, microperthite, plagioclase, and biotite

Bedrock outcrops
Small areas of solid color represent individual outcrops; ruled areas represent individual outcrops or groups of closely spaced outcrops

Contact
Dashed where approximately located; short dashed where gradational

STAUROLITE
Isograd, showing approximate limit of staurolite on Conanicut Island

50 — Strike and dip of bedding

70 — Strike and dip of overturned bedding

90 — Strike of vertical bedding; number on up side

60 — Strike and dip of foliation

45 — Strike and dip of parallel foliation and bedding

45 — Strike and dip of parallel foliation and overturned bedding

23 — Plunge of lineation
Commonly used in combination with bedding and foliation symbols

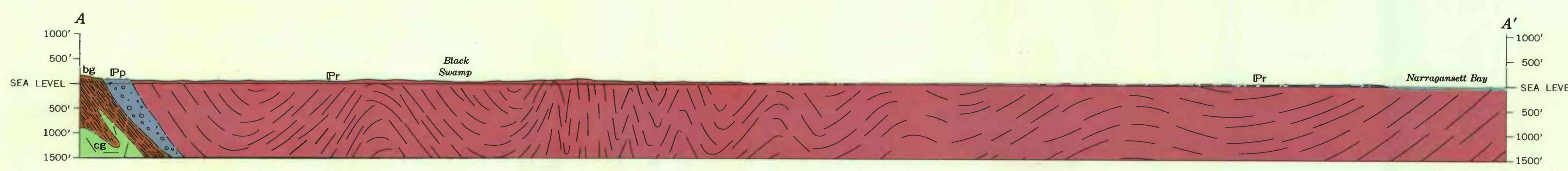
FA 15 — Plunge of fold axis

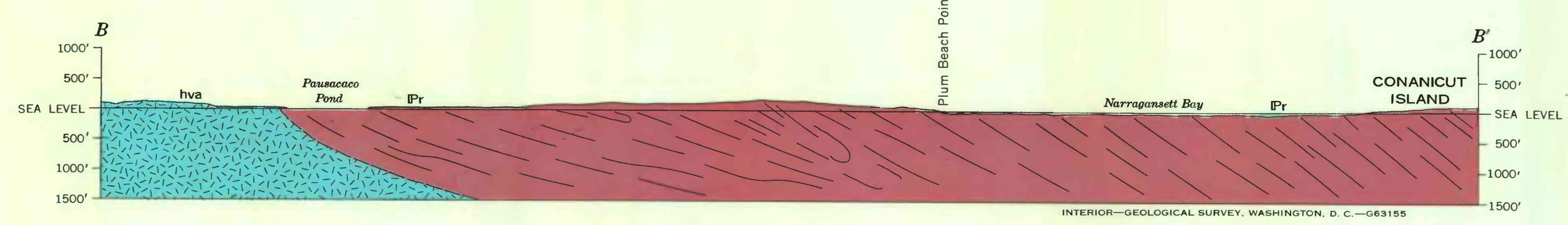
24 — Strike and dip of axial-plane cleavage

? 21 — Plunge of axis of suspected overturned anticline

Quarry

x — Small mine or prospect





INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—G63155

GEOLOGIC MAP AND SECTIONS OF THE WICKFORD QUADRANGLE, RHODE ISLAND

SCALE 1:24 000
1 ½ 0 1 MILE
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL