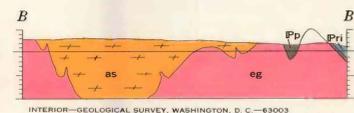
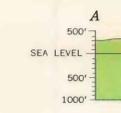


EXPLANATION

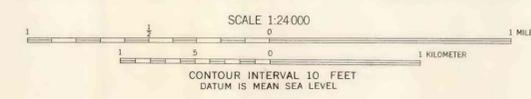
- Mafic dike
- Rhode Island Formation
Dark-gray to gray medium- to coarse-grained massive to bedded or schistose sandstone and graywacke; very little exposed
- Pondville Conglomerate
Gray to light-gray coarse conglomerate, breccia, sandstone, and graywacke; fragments and size to a foot or more in diameter, angular to rounded; bedding very irregular; boulders mostly quartzite and some granite
- Covesett Granite
cg, Covesett Granite. Light-pink to flesh-colored medium-grained commonly subporphyritic massive granite. Main constituents are microcline and microperthite, albite, quartz, and biotite. Minor constituents include chlorite, muscovite, magnetite, fluorite, sphene, zircon, and allanite.
- Esmond Granite
eg, Esmond Granite. Light-pink to light-flesh-colored medium-grained massive to somewhat foliated granite; plagioclase partly altered to epidote and fine muscovite. Main constituents are microcline and microperthite, albite, quartz, and biotite. Minor constituents include chlorite, muscovite, magnetite, apatite, and garnet.
- Fine-grained granite
fg, Fine-grained granite. Light-pink to tan fine- to medium-grained locally porphyritic, massive to foliated and lineated granite. Main constituents are microperthite, albite, quartz, and biotite. Minor constituents include chlorite, magnetite, and zircon.
- Scituate Granite Gneiss
sg, Scituate Granite Gneiss. Light-pink, locally gray, coarse- to medium-grained lineated or foliated granite gneiss; oval spots of biotite constitute the foliation or lineation. Main constituents are microcline and microperthite, albite, oligoclase, quartz, and biotite. Minor constituents include hornblende, chlorite, muscovite, allanite, sphene, zircon, pyrite, ilmenite, magnetite, fluorite, apatite, and monazite.
- Diorite
di, Diorite. Variable and streaky rock; light- to dark-gray fine- to medium-grained massive to schistose diorite. Main constituents are amphibole, biotite, oligoclase, and quartz. Minor constituents include epidote, chlorite, microperthite, sphene, apatite, magnetite, and zircon.
- Fine-grained gneiss and porphyroblastic gneiss
b, Fine-grained gneiss and porphyroblastic gneiss. Light gray fine-grained foliated gneiss and light-gray fine-grained foliated gneiss with numerous porphyroblasts of microcline and microperthite. Main constituents are microcline and microperthite, quartz, oligoclase, biotite, and amphibole. Accessory minerals include allanite, sphene, magnetite, zircon, and apatite. May be part of the Blackstone Series.
- Sneech Pond Schist
s, Sneech Pond Schist. Light-gray, dull-gray to dark-greenish fine- to medium-grained massive to schistose serpentine; some relicts of olivine.
- Amphibole schist
as, Amphibole schist. Mostly dark-gray but also light-gray medium- to fine-grained schistose and thin-bedded amphibole schist, in places somewhat contorted. Main constituents are amphibole, biotite, quartz, and oligoclase. Minor constituents include epidote, chlorite, magnetite, ilmenite, garnet, sphene, and rutile.
- Westboro Quartzite
wq, Westboro Quartzite. Mostly light-gray medium-grained massive quartzite, but contains interbeds of gray to brown fine-grained quartz-mica schist, also a conglomeratic layer at Centerville.
- Bedrock outcrops and areas of closely spaced bedrock outcrops
- Contact
Dashed where approximately located; short dashed where inferred;
- Fault
Dashed where approximately located. U, upthrown side; D, downthrown side.
- Strike and dip of bedding
- Strike and dip of parallel bedding and foliation
- Strike and dip of foliation
- Strike of vertical foliation
- Direction and plunge of lineation
Lineation shown mostly by aligned biotite flakes, but also by elongation of pebbles in Pp
- Direction of horizontal lineation
- Strike and dip of foliation
Showing bearing and plunge of lineation
- Quarry
- Disintegrated rock, "rottenrock"

Base map by Topographic Division, U.S. Geological Survey, 1955

Geology by Alonzo W. Quinn, 1953-60



BEDROCK GEOLOGIC MAP AND SECTIONS OF THE CROMPTON QUADRANGLE, RHODE ISLAND



HOPE VALLEY

PROVIDENCE

COVENTRY CENTER

EAST GREENWICH

WEST GREENWICH

WEST WARWICK

PROVIDENCE

WARWICK

PROVIDENCE

WARWICK

PROVIDENCE

WARWICK

PENNSYLVANIAN(?) OR YOUNGER

PENNSYLVANIAN

MISSISSIPPIAN(?)

MISSISSIPPIAN(?) OR OLDER

PRECAMBRIAN(?)