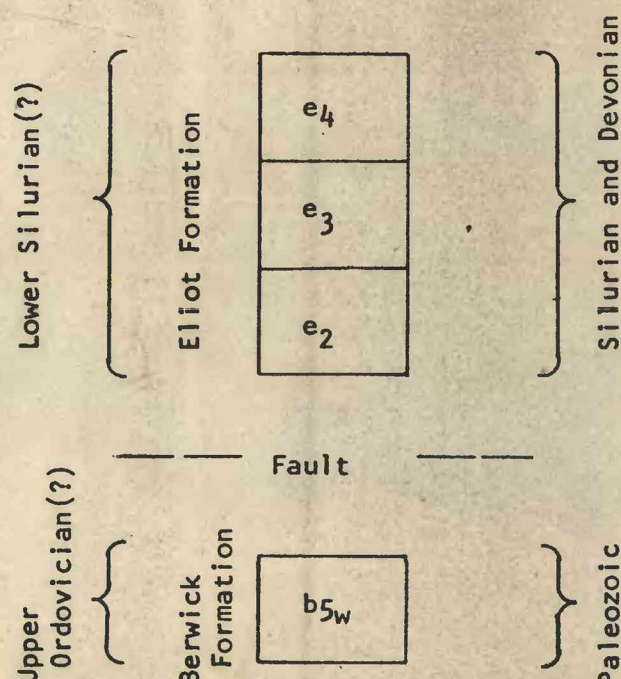


# CORRELATION OF UNITS



## DESCRIPTION OF UNITS

e <sub>4</sub>	Unit 4 of Peck - Dark grey, thick-bedded metapelite and metasandstone. Locally chistalite hornfels
e <sub>3</sub>	Unit 3 of Peck - Predominantly dark-hued, well-bedded and graded metasiltstone and metapelite; locally silvery slate. Locally chistalite-cordierite hornfels
e <sub>2</sub>	Unit 2 of Peck - Brownish-grey metasiltstone interlayered with greenish-grey phyllite. Commonly ankeritic and deformed by kink banding
b <sub>5w</sub>	Unit 5 of Peck - Biotite-quartz-feldspathic metasandstone with salt and pepper texture interbedded with purple-green quartzite. Contains aquagene felsic metavolcanic rocks (b <sub>5wv</sub> ) east of Hickory Hills Lake

- Contact - Dashed where approximately located; queried where location is inferred. Placement is arbitrary owing to gradation between units
- Fault - Dashed where approximately located; queried where location is inferred
- Anticline - Inferred; showing location of crestline
- Syncline - Inferred; showing location of troughline
- Strike and dip of bedding
- Strike and dip of primary foliation
- Strike and dip of secondary foliation
- Strike and dip of parallel bedding and foliation
- Strike and dip of undulatory bedding +/- or foliation
- Strike and dip of bedding; ball indicates tops were determined from sedimentary structures
- Strike and dip of overturned beds
- Strike and dip of axial plane of small fold of bedding; arrow shows bearing and plunge of fold axis
- Strike and dip of axial plane of small fold of foliation; arrow shows bearing and plunge of fold axis
- Bearing and plunge of small fold axis
- Strike and dip of small fault
- Strike and dip of joint
- Quartz vein; showing direction and amount of dip

Contact metamorphic rock (chistalite + cordierite + sillimanite hornfels)

## OUTCROP SYMBOLS

- Bedrock outcrops
- Areas of abundant bedrock outcrops, where too closely spaced to map separately
- Areas of thin cover over bedrock; where bedrock is inferred to be within 10 ft. (3 m) of the surface
- Outline of quarries as of July 1974

Note: Location of contacts between units e<sub>2</sub> and e<sub>3</sub> in the east-central 1/9th of the quadrangle is conjectural based mainly upon reconnaissance and scattered data

## Selected References

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## EXPLANATION FOR INTERIM GEOLOGIC MAP OF THE SHIRLEY QUADRANGLE, MASSACHUSETTS

by

S. L. RUSSELL and R. W. ALLMENDINGER

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conformity with Geological Survey  
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