EXPLANATION
OF GEOLOGIC MAP

Qal
alluvial sand and gravel

unconformity

Tal
undifferentiated gravel, sand and clay

unconformity

diabase dike

undifferentiated arkose, subarkose, mudstone and coal; 

t, boulder fanglomerate

unconformity

HZ, Hylas zone; DCZ Dover
Creek zone. Protomylonite, mylonite and ultramylonite

Pbgr
Petersburg Granite, coarse grained muscovite-biotite-two feldspar granite

Rocks of Uncertain Age

Egnc
Eastern gneiss complex, quartz-ose biotite-plagioclase gneiss and schist; quartz-microcline augen gneiss

Sam
Sabot Amphibolite, garnet-quartz-plagioclase-hornblende amphibolite

Bgdgn
Boscobel granodiorite gneiss, medium grained microcline-biotite-quartz-plagioclase orthogneiss

Mississippian

Early Paleozoic (?), ur, or Precambrian (?)

Canozoic

Tertiary

Mesozoic

Triassic

Paleozoic
State Farm Gneiss, biotite-quartz-two feldspar gneiss with intercalated biotite- and minor hornblende-biotite schist, and amphibolite; hmgn, hornblende-microcline gneiss

pegmatite, coarse grained, foliated quartz-microcline-plagioclase rock

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**STRUCTURE SYMBOLS**

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**CONTACT**
Dashed where approximate; short dashed where inferred; queried where doubtful; dotted where concealed.

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**FAULT**
Dashed where approximate, short dashed where inferred; queried where doubtful; dotted where concealed. U, upthrown side; D, downthrown side. Half arrows show relative horizontal displacement; short arrow shows dip of fault plane.

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**CATACLASTIC ISOPLETH**
Gradational contact. Tick indicates direction of increasing cataclasis. Dashed where approximate; short dashed where inferred; queried where doubtful; dotted where concealed.

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**LATERAL EXTENT OF RETROGRESSION IN HYLAS ZONE**
Chloritization in noncataclastic rocks. Dashed where approximate; short dashed where inferred; queried where doubtful.
STRIKE AND DIP OF BEDS

strike and dip of foliation and plunge of lineation

$L_{Ef}$ long feldspar axis
$L_b$ long axis biotite folia
$L_h$ long axis hornblende
$L_{1x0}$ intersection $S_1$ and $S_0$
$L_{1x2}$ intersection $S_1$ and $S_2$
$L_{cxs}$ intersection $S_c$ and $S_s$

STRIKE AND PLUNGE OF LINEATION

antiform synform combined symbols

BEARING AND PLUNGE OF MINOR FOLD AXIS

STRIKE AND DIP OF FOLIATION

inclined $S_1$
Petersburg Granite (cataclastic)

inclined $S_c$

inclined vertical

strike and dip of foliation and strike and dip of joints

STRIKE AND DIP OF JOINTS

AB5-158 location of rock sample at nearest structure symbol;
• AB5-157 location of rock sample

Θ GS seismograph station

prospect and/or quarry

Boscobel Granite Corp.

Richmond Crushed Stone Co.

Rockville Stone Co.

Vulcan Materials Co. (Royal q.)