EXPLANATION

D
Diorite Dike

Di
Quartz Monzonite Intrusive

P
Plagioclase Granulite Dike

Ds
Solon Formation
graded, cyclically bedded dark gray metasiltstone and shale

DSb
Fall Brook Formation
massive quartzite with minor metasiltstone

DSv
Vassalboro Formation
massive quartzite with minor metasiltstone

Se
Eddy Formation
black carbonaceous phyllite and metasiltstone

Sangerville Formation
Ss graded calcareous quartzite beds with phyllite tops
Ssm Manhanock Member
polymictic granule conglomerate and course quartzite
Ssk Unnamed Member
interbedded phyllite and metasiltstone with minor massive quartzite beds
Ssl Limestone Member
pelitic limestone and calcareous metasiltstone

Waterville Formation
Sw interbedded phyllite and metasiltstone (0.3-2.4 cm thick layers)
Swp Pittsfield Member
maroon and green interbedded phyllite and metasiltstone
Swl Limestone Member
pelitic limestone and calcareous metasiltstone

Unnamed Unit
Sk massive quartzite beds with sequences of interbedded phyllite and metasiltstone
Skp maroon and green interbedded phyllite and metasiltstone
Skm polymictic granule conglomerate and coarse quartzite
Skl pelitic limestone and calcareous metasiltstone

Post Middle Devonian
Middle Devonian
Lower Devonian
Silurian to Lower Devonian
Lower Ludlow
Wenlock
Upper Llandovery

- - - - - - - Approximate contact

B
..... ⊥ ..... Isograd, B indicates biotite zone

75 ▲ 85 Strike and dip of bedding
75 ▲ 85 Strike and dip of bedding arrow and dot indicates direction of top, if indicated
Cleavage and foliation

x Outcrop, no bedding or cleavage

Major anticline

Major syncline

Minor anticline, arrow indicates plunge

Minor syncline

Concealed fault

Minor fold nose

Facies change

F7-507 Fossil locality

SCALE 1 62,500

1 ½ 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 5 0 1 2 3 4 5 KILOMETERS

Quadrangle Location

RECONNAISSANCE
BEDROCK GEOLOGY
OF THE
GUILFORD QUADRANGLE, MAINE

BY
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