EXPLANATION

INTRUSIVE ROCKS

sy / gr / ga	
sy	syenite
gr	granite
ga	gabbro

METAMORPHOSED BEDDED ROCKS

Lower Devonian

[Dsd | Dsdl | Dsdc | Dsdr | Dsdc | Dsd | Dsds | Dst | Dstc | Dsm]

SEBOOMOOK FORMATION

Day Mountain Member

Dsd: Rythmically graded bedded, locally somewhat rusty-weathering, light gray metasiltstone and gray metapelite; fine-to medium grained, light gray to buff, weakly calcareous graywacke metasandstone in graded beds with typically graded bedded gray metasiltstone and dark gray metapelite.

Dsdc: Polymict granule metaconglomerate in graded beds with all rock types noted under (Dsd).

Dsdl: Regularly and thinly bedded, light gray arenaceous metalimestone, gray calcareous metasiltstone, and dark gray calcareous metapelite: massive greenish-gray calc-silicate granofels; rusty weathering, dark gray sulfidic metasandstone.

Dsdr: Rusty weathering dark metashale

Dsds: Calcareous metasandstone

Temple Stream Member

Dst: Typically strongly rusty-weathering, dark gray, bedded sulfidic and graphitic quartz-rich granule metaconglomerate, metasandstone, metasiltstone and metapelite; minor buff weathering, fine grained calcareous metasandstone and dark gray metapelite.

Dstc: Conglomerate.

Mount Blue Member

Dsm: Rythmically graded bedded, locally somewhat rusty-weathering, light gray metasiltstone and gray metapelite.

[Dh | Dhr]

HILDRETHS FORMATION

Dh: Light gray, weakly calcareous, felspathic metasandstone, commonly with ellipsoidal pods of green and white calc-silicate granofels, graded bedded with minor dark gray metapelite.

Dhr: Rusty weathering dark metashale.

[Dc | Dcr]

CARRABASSETT FORMATION

Dc: Rythmically graded bedded, light gray metasiltstone and gray metapelite; massive gray metapelite; rare polymict granule metaconglomerate near lower contact.

Dcr: Rusty-weathering, sulfidic, dark gray metasiltstone and metapelite.

Upper Silurian(?) to Lower Devonian(?)

[DSm]

MADRID FORMATION

Thinly to thickly bedded, purplish-gray, weakly calcareous metasandstone, commonly with pods of calc-silicate granofels, locally graded bedded with minor gray metasiltstone and dark gray metapelite; thinly layered, purplish-gray metasandstone and variably green and white calc-silicate granofels typically forming lower part of formation.

[DSf]

FALL BROOK FORMATION

Typically thickly bedded, purplish gray, weakly calcareous metasandstone, characteristically graded bedded with subordinate gray metasiltstone and dark gray metapelite; rhythmically graded bedded light purplish-gray metasiltstone and darker purplish-gray metapelite.

Silurian — Ludlovian

[Ssf]

SMALLS FALLS FORMATION

Rusty weathering, dark gray sulfidic metasandstone, metasiltstone, and metapelite, minor, dark gray, quartz-rich, sulfidic metasandstone with thin bands of calc-silicate granofels.

[Sph]

PARKMAN HILL FORMATION

Sph: Typically strongly rusty-weathering, dark gray, sulfidic, quartz-rich, granule metaconglomerate, metasandstone, metasiltstone, and metapelite; graded bedding common, but not universally present.

Silurian — Llandoverian to Wenlockian

[Ss | Ssa | Ssal | Ssp | Ss | Ssll | Sscl | Ssr]

SANGERVILLE FORMATION

Ss: Typically thickly bedded, fine- to coarse-grained, light gray, typically calcareous, graywacke metasandstone, characteristically graded bedded with thinly interlaminated gray metasiltstone and dark gray or greenish-gray metapelite; subordinate, thinly interlaminated, gray metasiltstone and dark gray metapelite.

Ssa: (Anasagunticook Member): Dominant, thinly interlaminated, gray metasiltstone and dark gray metapelite; subordinate, light gray, calcareous graywacke metasandstone, graded bedded with gray metasiltstone and dark gray metapelite.

Ssal: Metalimestone.

Sscl: (Lower Metaconglomerate Member): Polymict granule metaconglomerate in addition to all rock types noted under (Ss).

Ssr: Strongly rusty-weathering, sulfide-bearing rocks, indistinguishable from those of the Parkman Hill Formation.

Ssp: (Patch Mountain Member): Thinly layered, light gray, arenaceous metalimestone and gray calcareous metasiltstone, locally interbedded with dark gray calcareous metapelite.

Ssll (Lower Metalimestone Member): Similar to the Patch Mountain Member, except that it is locally interlayered with thin beds of polymict granule metaconglomerate, and of rusty-weathering dark gray sulfidic metasandstone.

[Sps | Sp]

PERRY MOUNTAIN FORMATION

Sp: Thinly rhythmically layered, light gray metasiltstone and darker, mica-rich metapelite; local massive metapelite.

Spc: Polymict granule metaconglomerate, graded bedded with thinly interbedded metasiltstone and metapelite.

Sps: Massive or thinly laminated, medium gray, weakly calcareous metasandstone and gray metasiltstone; minor calc-silicate granofels.

[Sww]

WATERVILLE FORMATION

Sww: Beds with variable thickness of light-gray quartz wacke and dark-gray to greenish gray pelite belonging to the western facies. Some beds are graded.

Contact

Fault

Premetamorphic fault

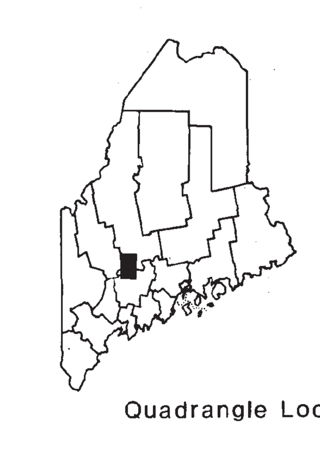
U
D
Unclassified fault

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 NORRIDGEWOCK QUADRANGLE, MAINE

BY

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1978

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