DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
MAINE GEOLOGICAL SURVEY
OFFICE OF THE NEW HAMPSHIRE STATE GEOLOGIST,
AND VERMONT GEOLOGICAL SURVEY

MISCELLANEOUS INVESTIGATIONS SERIES
MAP I-1898-C (SHEET 1 OF 2)

CORRELATION OF MAP UNITS
INTRUSIVE ROCKS
STRATIFIED METAMORPHIC ROCKS
Kn Cretaceous
Jwc Jw Jurassic
Ca Carboniferous
Dn Devonian
Pzm Sg Silurian
Oho Ordovician
Ꞓ Cambrian
Pzv Pzs Pzc Pzb
MESOZOIC
PALEOZOIC
Ꞓv
MIDDLE (?) PROTEROZOIC
EXPLANATION OF MAP UNITS
INTRUSIVE ROCKS
Kn Alkalic rocks (Cretaceous)—Granite, syenite, and quartz syenite of New England-Quebec Intrusive Suite. Includes diabase at Choate Hill
Jwc Conway Granite (Jurassic)—Includes parts of White Mountain batholith, Pilot-Pitny plutons, and Gore Mountain plutons
Jw Granitic rocks (Jurassic)—Granite and associated alkalic intrusive rocks and volcanic rocks of White Mountain Plutonic-Volcanic Suite: exclusive of Long Mountain Granite Conway Granite. Includes Monadnock Mountain stock and parts of White Mountain batholith, Pilot-Pitny plutons, and Gore Mountain plutons
Ca Granite (Carboniferous)—Includes granite of Sebago batholith
Dn Granitic rocks (Devonian)—Granite to quartz diorite of New Hampshire Plutonic Suite. Includes Averill pluton, Bretton Woods pluton, Bromley pluton, most of Echo Pond pluton, part of Flagstaff Lake plutons, Gorham pluton, Lexington batholith, Long Mountain pluton, Moosalookmegantic batholith, and Umbagog pluton
Sg Granitic rocks (Silurian)—Granite to granodiorite. Includes East Inlet pluton and Moody Ledge pluton
Oho Granitic rocks (Ordovician)—Granite to quartz diorite of Highlandcroft Plutonic Suite and Oliverian Plutonic Suite. Highlandcroft includes Adamstown pluton, Attean pluton, Cathaert Mountain batholith, Sally Mountain pluton, and Skinner pluton; Oliverian includes Jefferson batholith and Owls Head pluton
Pzm Gabbroic rocks (Paleozoic)—Androscoggin Lake pluton (Carboniferous); part of Echo Pond pluton (Devonian), Pierce Pond pluton (Devonian), Sugarloaf pluton (Devonian); part of Flagstaff Lake plutons (Devonian); sill at Bean Brook Mountain (Devonian); Chickwolnepy intrusions (Ordovician); and gabbro, diorite, and ultramafic rocks of Boil Mountain Complex (Cambrian? to Lower Ordovician?); also includes Belfast and Belmont Mountain Complex, tonalite of Chickwolnepy intrusions, and syenite of Androscoggin Lake pluton
STRATIFIED METAMORPHIC ROCKS
Pzv Mixed metavolcanic and metasedimentary rocks (Paleozoic)—Variable proportions of metavolcanic and metasedimentary rocks (Paleozoic or Cambrian); compositions of metavolcanics range from felsic to mafic
Pzs Siliciclastic metasedimentary rocks (Paleozoic)—Graphitic schist; marine (Devonian to Cambrian)
Pzc Calcareous metasedimentary rocks (Paleozoic)—Predominantly marine (Devonian to Ordovician)
Pzb Sulfidic metasedimentary rocks (Paleozoic)—Marine, black sulfidic metashale (Devonian to Ordovician)
Ꞓv Diamictite (Middle? Proterozoic)—Massive to poorly stratified diamictite of Chain Lakes massif
Contact
Fault
Mineralized area, mine, or prospect—Number refers to area, mine, or prospect listed in table 2
8 Mineralized area
x10 Mine or prospect
EXPLANATION FOR MAP A
Censored data—Values given in ppm; A, 1979–80 samples; V, 1981–82 samples
≥1,500
700–1,000
150–500
≥1,500
700–1,000
150–500
Gridded data—Values given in ppm and rounded to two significant figures; percentiles given within parentheses
3,600 (99)
1,700 (95)
720 (90)
170 (75)
48 (50)
SAMPLING PROGRAM
A79
A81 CUSMAP
CORE
Outline of Map Area
QUEBEC
VERMONT
NEW HAMPSHIRE
Figure 1.—Location of Sherbrooke and Lewiston 1° × 2° quadrangles.
QUEBEC
VERMONT
Averill pluton
Bretton Woods pluton
Echo Pond pluton
Gore Mountain plutons
Monadnock Mountain stock
Long Mountain pluton
Chickwolnepy intrusions
Umbagog pluton
Adamstown pluton
Attean pluton
Sally Mountain pluton
Cathaert Mountain batholith
Skinner pluton
Belmont Neck
Belmont Mountain pluton
Belfast pluton
Belmont Mountain pluton
Belmont Neck
Belmont Mountain pluton
Belmont Neck
Belmont Mountain pluton
Belmont Neck