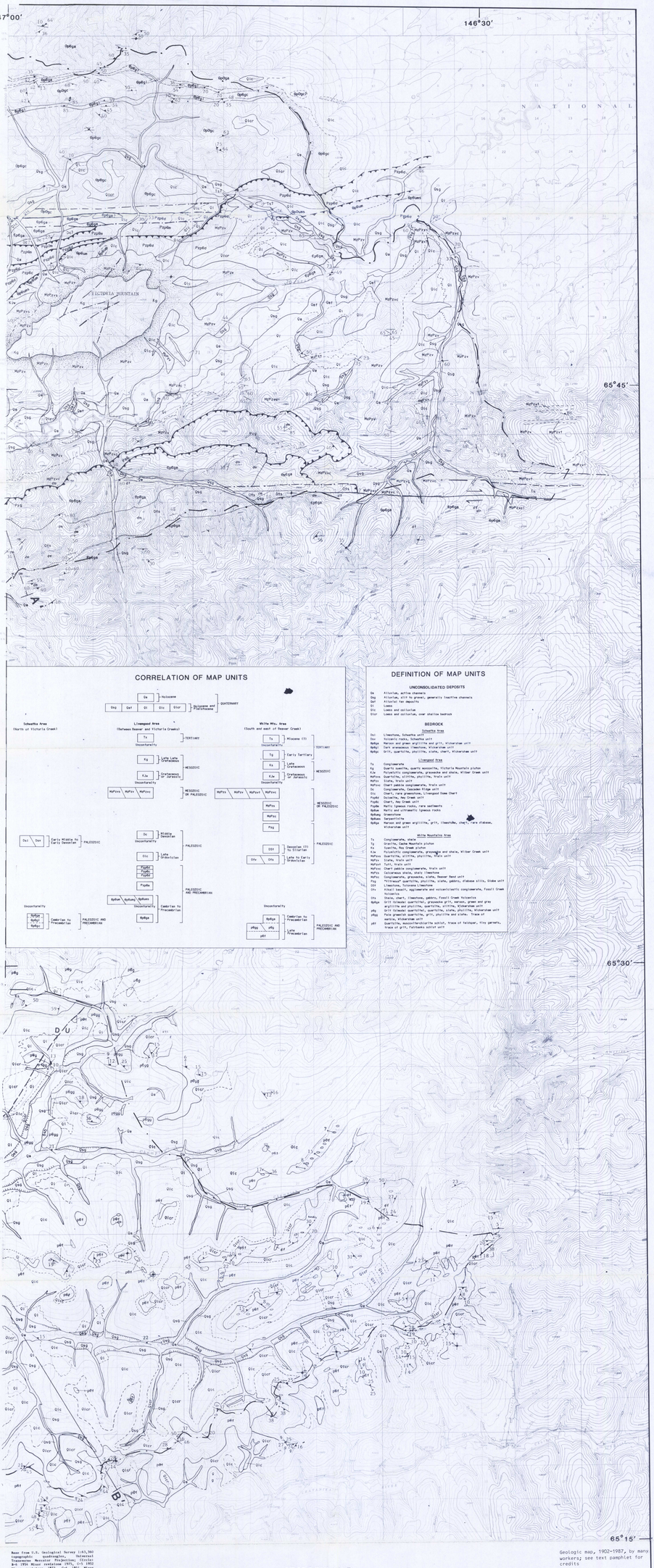

CORRELATION OF MAP UNITS

DEFINITION OF MAP UNITS

UNCONSOLIDATED DEPOSITS

Qa Alluvium, active channels
Qsg Alluvium, silt to gravel, generally inactive channels
Qaf Alluvial fan deposits
Qt Terrace
Qlc Loess and colluvium
Qlcr Loess and colluvium, over shallow bedrock

BEDROCK

Schwatka Area

Tv Limestone, Schwatka unit
Tvv Volcanic rocks, Schwatka unit
MzPzpk Maroon and green argillite and grit, Kitkarshan unit
MzPzlc Dark greenstones, limestone, Kitkarshan unit
MzPzc Grit, quartzite, phyllite, slate, chert, Kitkarshan unit

Livengood Area

Tv Conglomerate
Kg Quartz syenite, quartz monzonite, Victoria Mountain pluton
Kv Polymictic conglomerate, greywacke and shale, Wilbur Creek unit
MzPzvs Quartzite, slate, phyllite, Hrain unit
MzPzu Slate, Hrain unit
MzPzvc Chert pebble conglomerate, Hrain unit
Du Conglomerate, Cascaden Ridge unit
Ou Chert, rare greenstone, Livengood Dome Chert
PzpNz Chert, Hay Creek unit
PzpNc Chert, Hay Creek unit
Pzpdm Mafic igneous rocks, rare sediments
MzMum Mafic and ultramafic igneous rocks
MzMumg Greenstone
MzMums Serpentinite
MzMpk Maroon and green argillite, grit, limestone, cherty rare diabase, Kitkarshan unit

White Mountains Area

Tv Conglomerate, shale
Tg Granite, Zane Hill pluton
Kc Granite, Pearl Creek pluton
Kv Polymictic conglomerate, greywacke and shale, Wilbur Creek unit
MzPzv Quartzite, slitite, phyllite, Hrain unit
MzPzu Slate, Hrain unit
MzPzvt Tuff, Hrain unit
MzPzvc Chert pebble conglomerate, Hrain unit
MzPzlc Calcareous shale, shaly limestone
MzPzc Conglomerate, greywacke, slate, Beaver Pond unit
Pzg "Hillsmuir" quartzite, phyllite, slate, gabbro, Aldebaran sills, Globe unit
DSV Limestone, Tolovana Limestone
Ov Volcanic rocks, agglomerate and volcaniclastic conglomerate, fossil Creek volcanics
Ou Shale, chert, limestone, gabbro, fossil Creek volcanics
MzPzpk Grit richness quartzite, greywacke grit, maroon, green and grey argillite and phyllite, quartzite, slitite, Kitkarshan unit
pEg Grit richness quartzite, quartzite, slate, phyllite, Kitkarshan unit
pEgg Pale greenish quartzite, grit, phyllite and slate. Trace of graphite, Globe unit
pEf Quartzite, muscovite-biotite schist, trace of feldspar, fine garnets, trace of grit, Fairbanks schist unit

Base from U.S. Geological Survey 1:63,360 topographic quadrangles, Universal Transverse Mercator Projection, Zone 6. Brk 1956 Minor revisions 1971; Bmv 1956 Photo revised 1971; Bmv 1956 Minor revisions 1971; Livengood A-1 1952 Minor revisions 1985, A-2 Photo revised 1978, A-3 Minor revisions 1985, A-4 1951 Limited revisions 1978, B-1 1956 Photo revised 1972, C-1 1951 Limited revisions 1985, C-2 1951 Minor revisions 1969, D-1 1952 Minor revisions 1967, D-2 1952 Minor revisions, 1985.

Geologic map, 1982-1987, by many workers; see text pamphlet for credits

GEOLOGIC MAP

Compiled by

F.R. Weber, J.H. Dover, and K.L. Wheeler

1987

MINERAL RESOURCE ASSESSMENT FOR PART OF THE WHITE MOUNTAINS NATIONAL RECREATION AREA, ALASKA

Location Map

0 1 2 3 4 5 6 7 8 9 10 MILES

CONTOUR INTERVAL 100 FEET

0 1 2 3 4 5 6 7 8 9 10 KILOMETERS

1:63,360

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.