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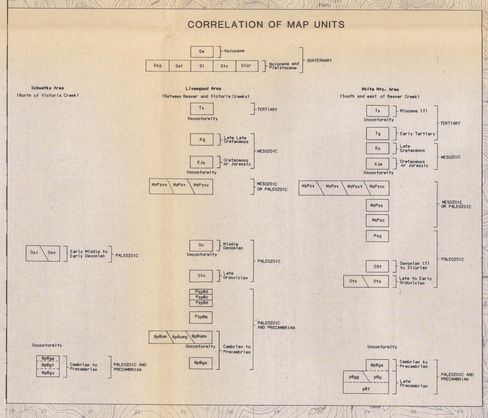
PLATE II-A SHEET 2 OF 2

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 Talus
Qtc Talus and colluvium
Qtcr Talus and colluvium, over shallow bedrock

BEDROCK

Schwatka Area

Dcl Limestone, Schwatka unit
Dsv Volcanic rocks, Schwatka unit
PzOgp Maroon and green argillite and grit, Vishnuhsum unit
PzOgb Dark argillaceous limestone, Vishnuhsum unit
PzOgl Grit, quartzite, phyllite, slate, chert, Vishnuhsum unit

Livengood Area

Tg Conglomerate
Kg Quartz syenite, quartz monzonite, Victoria Mountain pluton
Kjk Polymictic conglomerate, graywacke and shale, Wilber Creek unit
MzPzvs Quartzite, siltite, phyllite, Hrain unit
MzPzvt Tuff, Hrain unit
MzPzvc Chert pebble conglomerate, Hrain unit
Dc Conglomerate, Cascade Ridge unit
Olc Chert, rare greenstone, Livengood Dome Chert
PzpOa Dacite, Hoy Creek unit
PzpOs Chert, Hoy Creek unit
PzpOb Mafic igneous rocks, rare sediments
PzpOg Felsic to mafic igneous rocks
PzOsum Greenstone
PzOsms Serpentinite
PzOgp Maroon and green argillite, grit, limestone, chert, rare diabase, Vishnuhsum unit

White Mountains Area

Tg Conglomerate, shale
Kg Granite, Cache Mountain pluton
Kjk Syenite, Hoy Creek pluton
Kjk Polymictic conglomerate, graywacke and shale, Wilber Creek unit
MzPzvs Quartzite, siltite, phyllite, Hrain unit
MzPzvt Tuff, Hrain unit
MzPzvu Tuff, Hrain unit
MzPzc Chert pebble conglomerate, Hrain unit
MzPzu Calcareous shale, shale limestone
MzPzc Conglomerate, graywacke, slate, Beaver Dead unit
Pzg "Nikhoout" quartzite, phyllite, slate, gabbro, diabase sills, Globe unit
DSv Limestone, Tolovana Limestone
Olv Chert, lava, agglomerate and volcaniclastic conglomerate, Fossil Creek Volcanics
Olts Shale, chert, limestone, gabbro, Fossil Creek Volcanics
PzOgp Grit (bigpoo) quartzite, graywacke grit, maroon, green and gray argillite and phyllite, quartzite, siltite, Vishnuhsum unit
pMg Pink granite, quartz monzonite, granodiorite, Late Precambrian unit
pMgb Pink granitic quartzite, grit, phyllite and slate. Trace of apatite, Vishnuhsum unit
pMr Quartzite, monzonite/granite schist, trace of feldspar, tiny garnets, trace of grit, Fairbanks schist unit

Base from U.S. Geological Survey 1:63,360 topographic quadrangles, Universal Transverse Mercator Projection; Circle: B-6, 1954 Minor revisions 1975, C-5 1952 Minor revisions 1980, C-6 1952 Minor revisions 1974; Livengood: D-1 1952 Minor revisions 1980, A-2 Photo revised 1975, A-3 1953 Photo revised 1975, B-1 1954, B-2 1951 Limited revisions 1978, B-3 1951 Limited revisions 1978, B-4 1951 Minor revisions 1982, C-2 1951 Minor revisions 1969, D-1 1952 Minor revisions 1967, D-2 1952 Minor revisions, 1965.

Geologic map, 1902-1987, 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

147°00' 146°30'

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