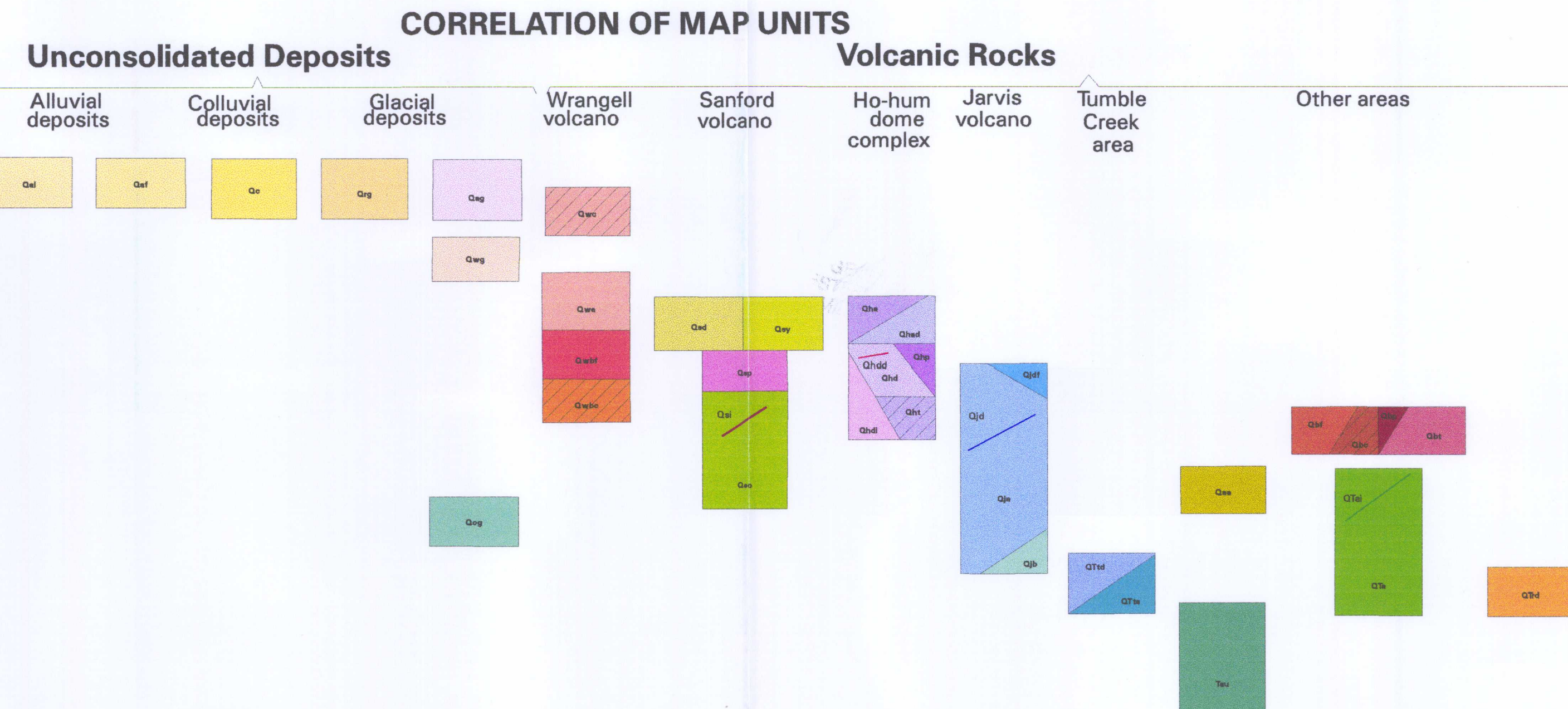
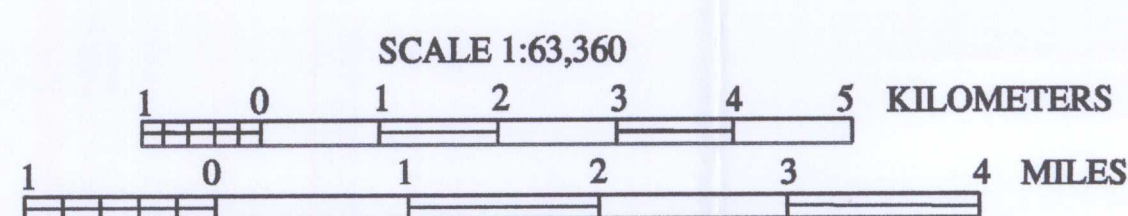




Geology by D.H. Richter, 1973, 1981 and 1991; E. Moll-Stalcup, 1991; W.A. Duffield, 1991. Digital representation by K.M. Brunt and D.T. Donley

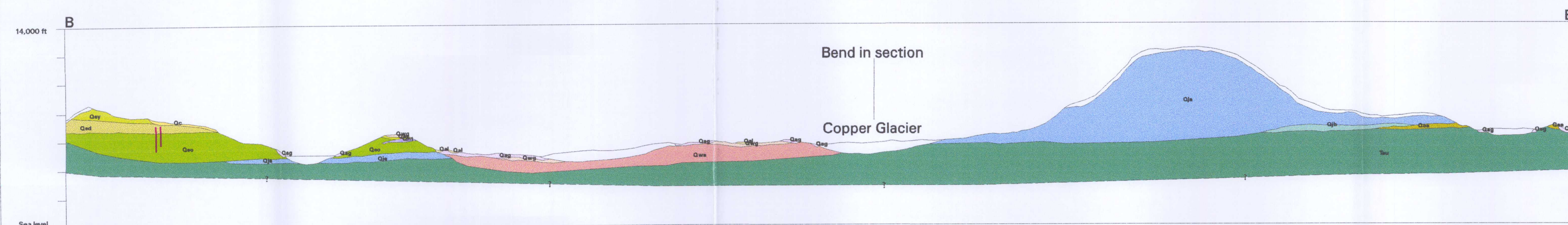
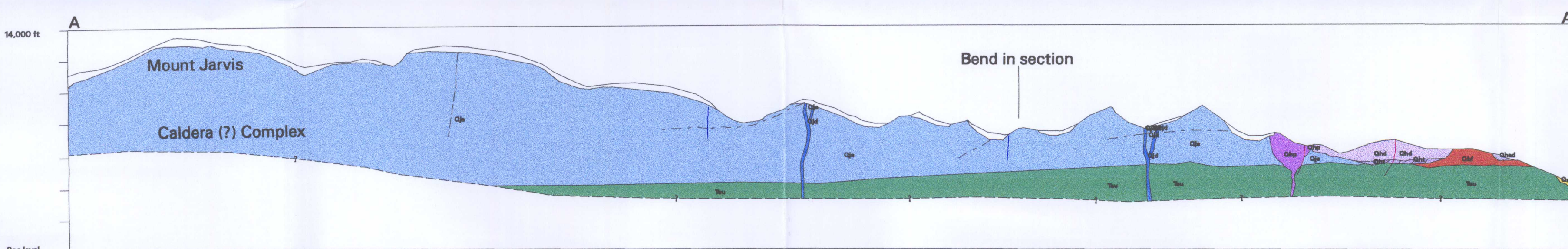


DESCRIPTION OF MAP UNITS
(see accompanying pamphlet for more detailed descriptions, chemistry, and radiometric dates)

- Alluvium, colluvium, and glacial deposits**
 - Qal- Alluvium along streams
 - Qaf- Alluvium along fans
 - Qc- Colluvium, undifferentiated
 - Qrg- Rock glacier deposits
 - Qag- Drift of Alaskan glaciation
 - Qwg- Drift of Wisconsin glaciation
 - Qog- Drift of older glaciation
- Mount Wrangell volcano**
 - Qwc- East Crater deposits
 - Qwa- Two-pyroxene high-silica andesite flows
 - Qwbf- Olivine basalt flow and breccia
 - Qwbc- Cinder cone
- Mount Sanford volcano**
 - Qsi- Dikes, undifferentiated
 - Qsd- Low-silica dacite flows
 - Qsy- Young basaltic andesite, andesite, and dacite lavas, undifferentiated
 - Qsp- Dacite pyroclastic flow
 - Qso- Older volcanic rocks
- Ho-Hum Creek dome complex**
 - Qha- Quartz-bearing high silica flow
 - Qhad- High-silica andesite and dacite flows
 - Qhdd- Dacite dikes
 - Qhp- Dacite central plug
 - Qhd- Dacite shallow intrusion (?)
 - Qhd- Dacite dome and flows
 - Qht- Dacite tephra
- Mount Jarvis volcanic complex**
 - Qjdf- Dacite flow
 - Qjd- Dikes and plugs
 - Qja- Andesite flows
 - Qjb- Basalt flows
- Tumble Creek lavas**
 - QTtd- Dacite flows
 - QTta- Andesite, basaltic andesite flows, lahars, and hyaloclastites
- Olivine basaltic andesite deposits**
 - Qbp- Plug
 - Qbf- Flows
 - Qbc- Cinder cones
 - Qbt- Tuff
- Other volcanic rocks**
 - Qaa- Andesite agglutinate
 - QTrd- Rhyolite dome
 - QTai- Andesite dikes
 - QTa- Andesite mudflows, hyaloclastites, tephra, and flows
 - Tau- Older andesite and basaltic andesite, undivided

DESCRIPTION OF MAP SYMBOLS

- Contact-- Known, approximate, or inferred
- Inferred caldera margin-- Bold where observed, dashed in cross section
- - - Unconformity-- Conspicuous angular unconformities within Mount Jarvis lavas (unit Qja)
- - - Extent of youngest stage of Alaskan glaciation-- Shown only in area of extensive glacial drift west of Copper Glacier
- - - Contact between two older stages of Alaska glaciation-- Shown only in area of extensive glacial drift west of Copper Glacier
- ⊥ Strike and dip of flow layering-- Symbol without dip numbers indicates dip less than 5 degrees. Attitudes mostly estimated from distant observations
- ⊕ Horizontal flow layering
- Petrographic sample locality-- Number indicates sample has been chemically analyzed (Table 1); letter indicates sample has been radiometrically dated (Table 2)



Geologic map of the Nabesna A-6 quadrangle, Alaska

By
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