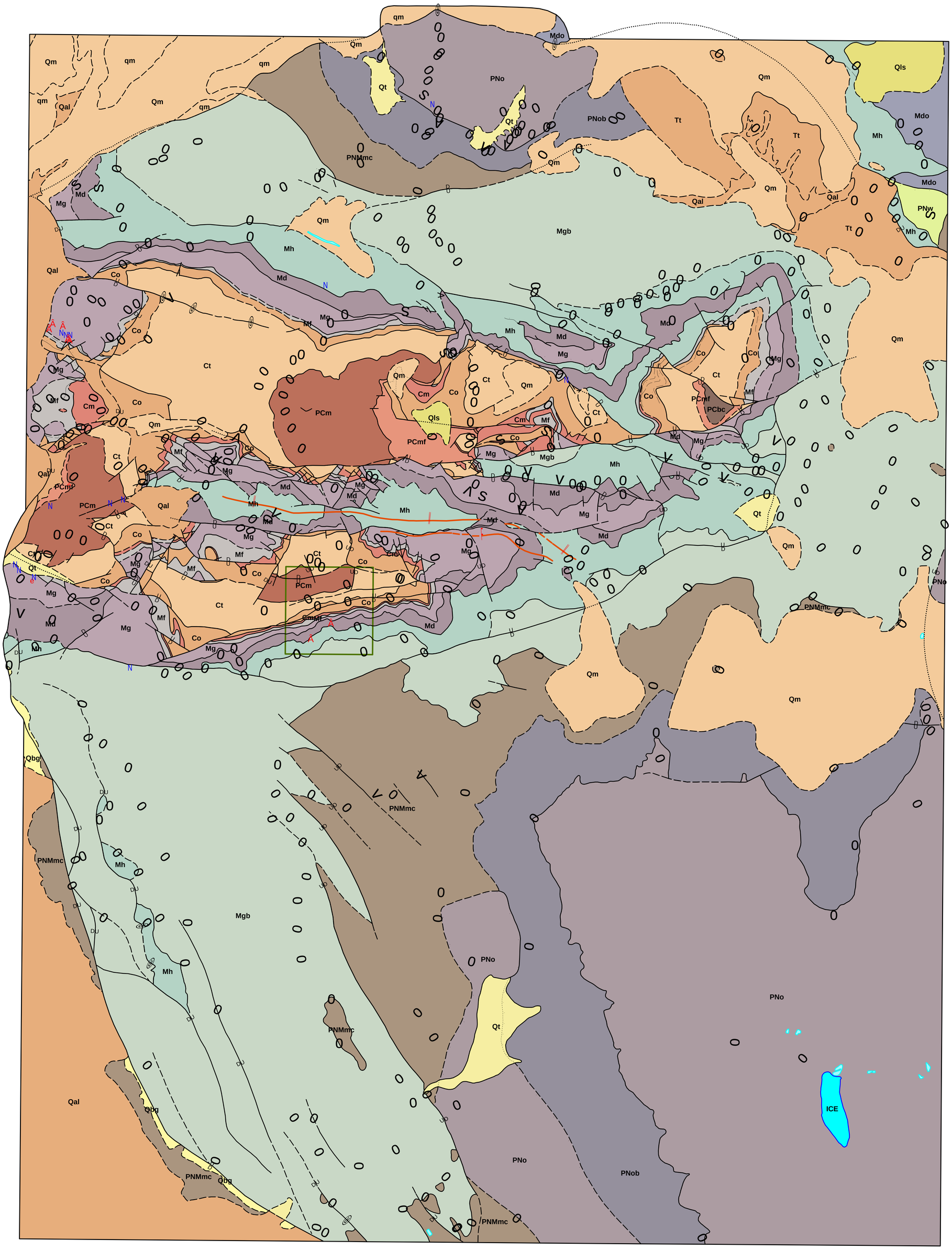
Geologic Map of Timpanogos Cave National Monument and Vicinity



Timpanogos Cave NM

Geologic Attitude Observations

- strike and dip of beds
- strike and dip of overturned beds
- strike of vertical beds
- dip of fault plane
- upthrown side of fault
- downthrown side of fault
- anticline
- syncline

Mine Point Features

- prospect pit
- adit
- shaft

Folds

- syncline, known or certain
- syncline, approximate
- anticline, known or certain
- anticline, approximate

Faults

- fault of unknown offset, known or certain
- fault of unknown offset, approximate
- fault of unknown offset, concealed
- normal fault, known or certain
- normal fault, approximate
- normal fault, concealed
- thrust fault, known or certain
- thrust fault, approximate
- thrust fault, concealed

Geologic Contacts

- known or certain
- approximate
- concealed
- quadrangle/map boundary
- shoreline
- ice, approximate

Geologic Units

- Qal - stream gravel, valley fill and alluvial cones
- Qt - talus and high angle alluvial cones
- Qls - landslide deposits
- Qbg - Bonneville beach deposits
- Qm - morraines
- Tt - Tibble Formation
- qm - quartz monzonite of Little Cottonwood stock
- Ppc - Park City Formation
- PNo - Oquirrh Formation
- PNob - Oquirrh Formation, Bridal Veil limestone
- PNw - Weber quartzite
- PNMmc - Manning Canyon shale
- Mdo - Doughnut formation
- Mgb - Great Blue limestone
- Mh - Humbug formation
- Md - Deseret formation
- Mg - Gardison limestone
- Mf - Fitchville formation
- Cm - Maxfield formation
- Co - Ophir formation
- Ct - Tintic quartzite
- PCm - Mutual formation
- PCmf - Mineral Fork Tillite
- PCbc - Big Cottonwood formation
- GLACIAL ICE
- WATER

0 0.5 1 2 Miles

0 1 2 4 Kilometers

The original map digitized by NPS staff to create this product was:

Baker, Arthur A., Crittenden, Max D., 1961, Geology of the Timpanogos Cave Quadrangle Utah: U.S. Geological Survey, Geologic Quadrangle Maps, GQ-132 scale 1:24,000.

Digital geologic data and cross sections for Timpanogos Cave National Monument, and all other digital geologic data prepared as part of the Geologic Resources Divisions Geologic Resource Evaluation Program, are available online: http://www2.nature.nps.gov/geology/inventory/gre_publications.cfm