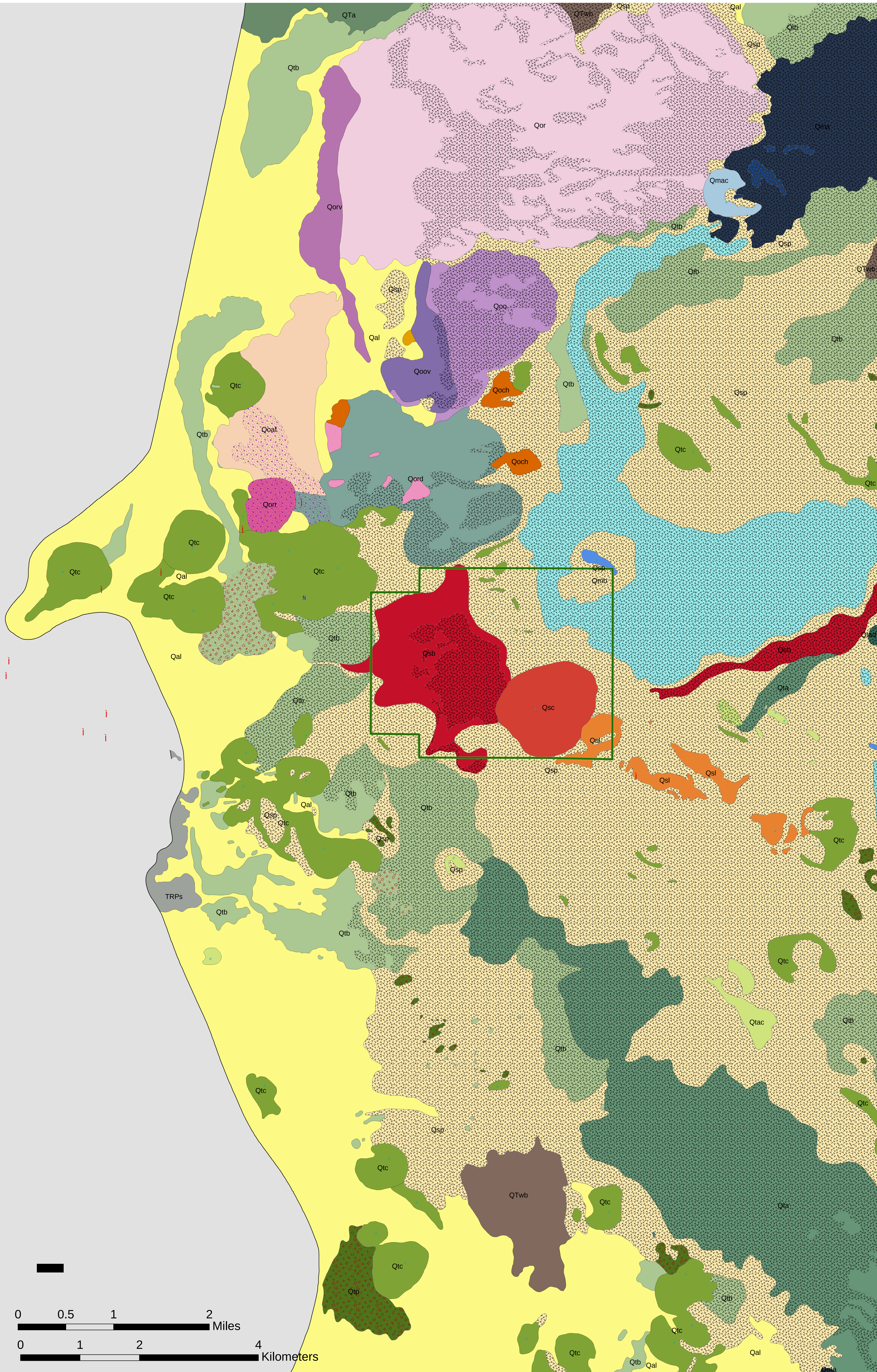




Geologic Map



NPS Units

Sunset Crater Volcano NM

Ash Units

- Qsp - Basaltic pyroclastic sheet (Sunset Crater)
- Qmp - Basaltic pyroclastic sheets
- Qorr - Pyroclastic material (Robinson Crater)
- Qtp - Local basalt pyroclastic deposits

Ash Contacts

- known or certain
- approximate

Geologic Units

- Qe - Eolian deposits
- Qsl - Late red and black basalt cinders and spatter
- Qsc - Alkali olivine basalt cinder cone of Sunset Crater
- Qsp - Basaltic pyroclastic sheet (Sunset Crater)
- Qsb - Bonito and Kana-a flows from Sunset Crater
- Qmc - Basalt cinder cones
- Qms - Basalt spatter of vent 127
- Qmp - Basaltic pyroclastic sheets
- Qmpv - Basalt of vent 130
- Qmb - Basalt flows
- Qmac - Basaltic andesite cinder and spatter cones
- Qma - Basaltic andesite flows
- Qmr - vitrophyre plugs of O'Neill and Strawberry Craters
- Qor - Rhyodacite flow of Deadman Mesa
- Qorv - Vent facies of rhyodacite flow of Deadman Mesa
- Qorr - Rhyodacite dome of Robinson Crater
- Qoap - Andesite pyroclastic deposits of O'Leary Peak
- Qoo - Rhyodacite obsidian flow N of O'Leary Peak
- Qoov - Vent facies of rhyodacite obsidian N of O'Leary Peak
- Qord - Rhyodacite porphyry domes of O'Leary Peak
- Qoch - Chaotic rock debris
- Qod - Dacite flow north of O'Leary Peak
- Qoaf - Andesite porphyry flow
- Qtc - Basalt cinder cones
- Qttc - Tuffaceous cinder cones
- Qts - Basalt spatter cones or spatter ramparts
- Qtp - Local basalt pyroclastic deposits
- Qtb - Basalt flows
- Qtac - Basaltic andesite cinder cones
- Qta - Basaltic andesite flows
- Qtad - Basaltic andesite porphyry dome of vent 91
- Qtt - Tuff ring deposits
- Qal - Alluvium and colluvium
- Qtg - Terrace gravels
- QTwc - Basalt spatter and cinder cone material of vent 520
- QTwb - Basalt flows
- QTa - San Francisco Mountain Volcanic Center
- TRPs - Sedimentary rocks of Triassic and Permian Age
- NA - Unmapped Area

Geologic Contacts

- known or certain
- approximate
- quadrangle/map boundary
- shoreline

Volcanic Point Features

- general location of source vent(s)

Mine Point Features

- prospect pit
- open pit mine
- gravel pit
- borrow pit
- well

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

Richard B. Moore and Edward W. Wolfe.
1974. Geologic Map of the Eastern San Francisco Volcanic Field, Arizona. US Geological Survey. Miscellaneous Investigations Series Map, I-953. 1:50,000 scale.

Digital geologic data and cross sections for Sunset Crater Volcano National Monument and all other digital geologic data prepared as part of the Geologic Resources Divisions Geologic Resource Evaluation program, are available through the Natural Resource – GIS metadata and data store: <http://science.nature.nps.gov/nrdata/>