Geologic Map of Golden Spike NHS and Vicinity

Geologic Units

- Qf - Fill
- Qal - Alluvium
- Qae - Alluvial and eolian deposits, undivided
- Qai - Alluvial silt
- Qaf1 - Alluvial fan deposits
- Qap - Alluvial-plain deposits
- Qsm - Spring muck
- Qam - Alluvial mud
- Qes - Eolian sand
- Qmc1 - Mass-movement colluvium
- Qmt - Mass-movement talus
- Qai/Qls - Alluvial silt overlying Lacustrine sand
- Qlso - Lacustrine ooid sand
- Qmc2 - Mass-movement colluvium
- Qla - Lacustrine and alluvial deposits, undivided
- Qms - Mass-movement slides
- Qas - Alluvial sand and silt
- Qrm - Reworked marl
- Qls - Lacustrine sand
- Qls/Qlm - Lacustrine sand overlying Lacustrine marl
- Qdg/Qlm - Deltaic gravel and sand overlying Lacustrine marl
- Qlg - Lacustrine gravel
- Qlgs - Lacustrine gravel and sand
- Qlm - Lacustrine marl
- Qaf2 - Alluvial fan deposits
- Qlf - Lacustrine fine-grained sediment
- Qa - Andesite
- QTaf3 - Alluvial fan deposits
- QTal - Alluvium and loess, undivided
- Tb - Basalt
- Tel - Eolian loess and alluvial gravel
- Ts - Sedimentary rocks and tuff
- Pot - Oquirrh Formation, Thinly bedded member
- Pob - Oquirrh Formation, Bioturbated limestone member
- Pos - Oquirrh Formation, Sandstone member
- Pocl - Oquirrh Formation, Clastic limestone member
- Posi - Oquirrh Formation, Silty limestone member
- PPNo - Oquirrh Formation, undifferentiated
- PPNob - Oquirrh Formation, Bioturbated limestone member
- PNol - Oquirrh Formation, Limestone member
- PNmct - Manning Canyon Shale, Transitional member
- PNMmc - Manning Canyon Shale
- PNMmcl - Manning Canyon Shale, Lower member
- Mgb - Great Blue Limestone
- Mh - Humbug Formation
- Mdg - Deseret Limestone and Gardison Limestone, undivided
- Dwc - Water Canyon Formation
- Sl - Laketown Dolomite
- Ofh - Fish Haven Dolomite
- Oe - Eureka Quartzite

Golden Spike NHS

Attitude Measurements and Symbology

- anticline symbol
- fold plunge arrow head
- strike and dip of beds
- strike and dip of beds
- strike and dip of foliation
- strike and dip of foliation and bedding
- strike and dip of overturned beds
- strike and dip of overturned beds
- strike of vertical beds
- syncline symbol

Age-Date Localities

- Age-Date Localities

Paleoshorelines

- Paleoshorelines

Landslides

- landslide

Geologic Folds

- known or certain

Marker Beds

- Marker Beds

Geologic Faults

- known or certain
- approximate
- concealed
- concealed, queried
- inferred
- inferred, queried

Geologic Contacts

- known or certain
- approximate
- concealed
- gradational
- inferred
- quadrangle boundary

The original maps digitized by NPS staff to create this product were:

Miller, D.M., Crittenden, M.D. Jr., Jordan, T.E., 1991, Geologic Map of the Lampo Junction Quadrangle, Box Elder County, Utah: U.S. Geological Survey, for Utah Geological and Mineral Survey, Utah Department of Natural Resources, Map 136, scale 1:24,000.

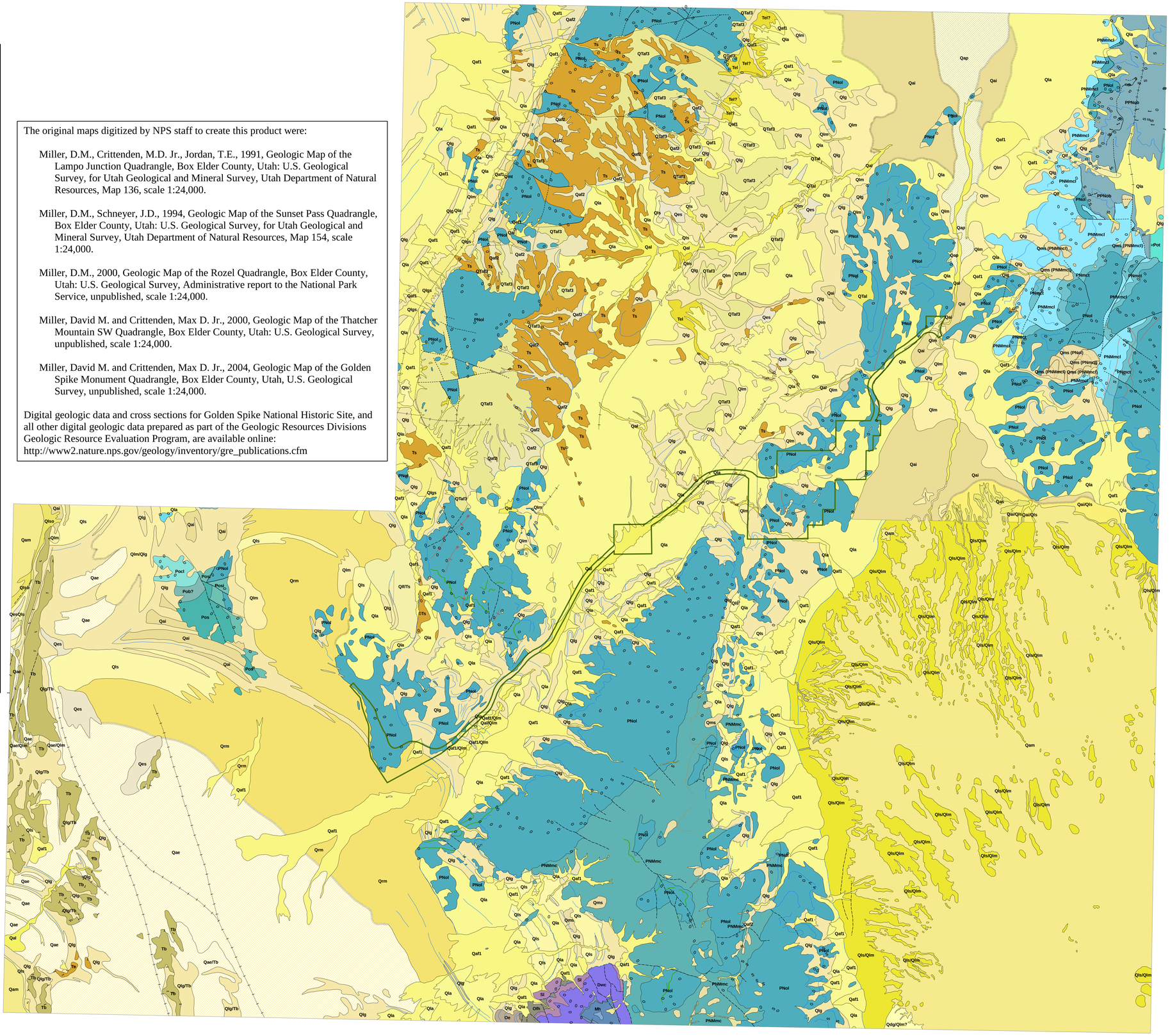
Miller, D.M., Schneyer, J.D., 1994, Geologic Map of the Sunset Pass Quadrangle, Box Elder County, Utah: U.S. Geological Survey, for Utah Geological and Mineral Survey, Utah Department of Natural Resources, Map 154, scale 1:24,000.

Miller, D.M., 2000, Geologic Map of the Rozel Quadrangle, Box Elder County, Utah: U.S. Geological Survey, Administrative report to the National Park Service, unpublished, scale 1:24,000.

Miller, David M. and Crittenden, Max D. Jr., 2000, Geologic Map of the Thatcher Mountain SW Quadrangle, Box Elder County, Utah: U.S. Geological Survey, unpublished, scale 1:24,000.

Miller, David M. and Crittenden, Max D. Jr., 2004, Geologic Map of the Golden Spike Monument Quadrangle, Box Elder County, Utah, U.S. Geological Survey, unpublished, scale 1:24,000.

Digital geologic data and cross sections for Golden Spike National Historic Site, 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



0 1 2 4 Miles

0 1.5 3 6 Kilometers