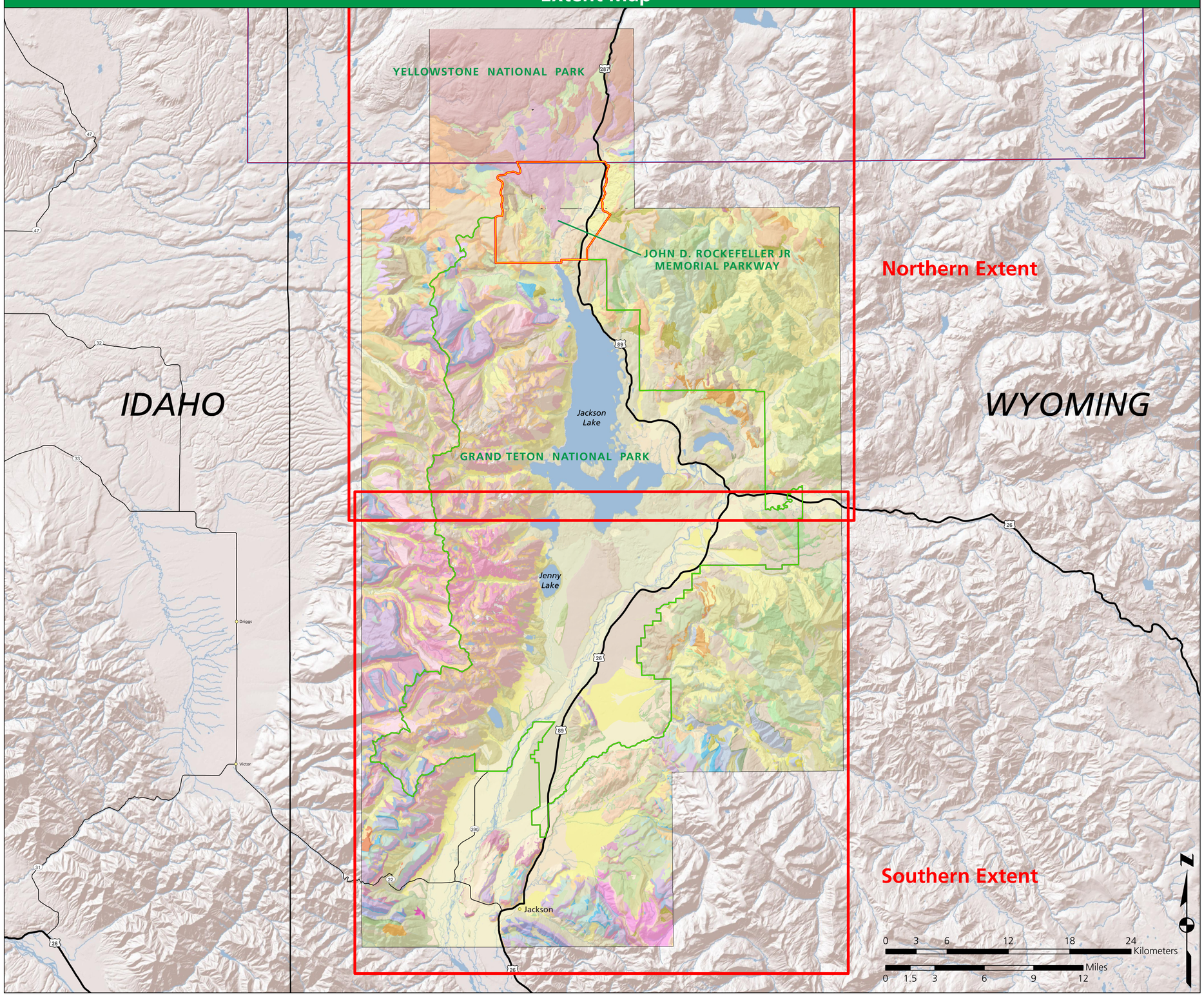
Overview of Digital Geologic Data for Grand Teton NP and John D. Rockefeller, Jr. Memorial Parkway

Extent Map



NPS Boundary
- Grand Teton National Park
- John D. Rockefeller Jr. Memorial Parkway

GRTE - Folds
- anticline, known or certain
- anticline, approximate
- anticline, inferred
- syncline, known or certain
- syncline, inferred

GRTE - Faults
- thrust fault, known or certain
- thrust fault, approximate
- thrust fault, concealed
- normal fault, known or certain
- normal fault, approximate
- normal fault, concealed
- unknown offset/displacement, queried

GRTE - Geologic Contacts
- known or certain
- approximate
- concealed
- gradational
- quadrangle boundary
- water or shoreline
- ice or glacial, approximate
- scratch boundary

GRTE - Mine Point Features
- prospects
- adit
- mine
- gravel pit
- dry hole

GRTE - Glacial Feature Lines
- glacial linear feature, known or certain

GRTE - Geologic Line Features
- linear feature, known or certain
- terrace margin, known or certain
- abandoned channel, known or certain

GRTE - General Trends of Dikes
- Xmo - Mount Owen Quartz Monzonite and associated pegmatite (early Proterozoic), inferred

GRTE - Linear Geologic Units
- TKpc - Pinyon Conglomerate, conglomerate (Paleocene and Upper Cretaceous)
- Khc - Harebell Formation, conglomerate (Upper Cretaceous)

GRTE - Hazard Area Features
- area of gas seep
- sinkhole

GRTE - Geologic Units
- Glacier or Ice
- Qa - Alluvium, gravel, and sand, and flood plain deposits (Holocene)
- Qs - Swamp deposits (Holocene)
- Qla - Lacustrine and related deposits (Holocene)
- Qtr - Travertine (Holocene)
- Qc - Colluvium (Holocene and Pleistocene)
- Qf - Alluvial-fan deposits (Holocene and Pleistocene)
- Qal - Alluvium of modern channels and flood plains (Holocene)
- Qt - Talus and related deposits (Holocene and Pleistocene)
- Qag - Alluvium and glaciofluvial deposits (Holocene and Pleistocene)
- Qls - Landslide debris (Holocene and Pleistocene)
- Qls1 - Landslide debris, unit 1 (Holocene and Pleistocene)
- Qls2 - Landslide debris, unit 2 (Holocene and Pleistocene)
- Qls3 - Landslide debris, unit 3 (Holocene and Pleistocene)
- Qtca - Talus, colluvium, and avalanche deposits (Holocene and Pleistocene)
- Qhi - Ice-contact deposits localized by hot springs (Quaternary)
- Qhs - Siliceous hot spring deposits (Holocene and Pleistocene)
- Qlg - Landslide and glacial debris (Holocene and Pleistocene)
- Ql - Loess (Holocene and Pleistocene)
- Qlb - Loess and boulders (Pleistocene)
- Qly - Leidy Formation (Pleistocene)
- Qg4 - Deposits related to glaciation 4 - drift (Pleistocene)
- Qg4j - Deposits related to glaciation 4 - debris of the Jackson Lake moraine (Pleistocene)
- Qg4b - Deposits related to glaciation 4 - debris of the Burned Ridge moraine (Pleistocene)
- Qo4j - Deposits related to glaciation 4 - outwash gravel forming terraces graded to Jackson Lake moraine (Pleistocene)
- Qo4b - Deposits related to glaciation 4 - outwash gravel forming terraces graded to Burned Ridge moraine (Pleistocene)
- Qtg - Terrace gravel (Pleistocene)
- Qg3 - Deposits related to glaciation 3 - drift (Pleistocene)
- Qo3 - Deposits related to glaciation 3 - outwash gravel (Pleistocene)
- Qg2 - Deposits related to glaciation 2 - drift and outwash deposits (Pleistocene)
- Qpcp - Plateau Rhyolite - Central Plateau Member - Pitchstone Plateau flow (Pleistocene)
- Qlab - Lava Creek Tuff, member B (Yellowstone Group) (Pleistocene)
- Qlc - Lewis Canyon Rhyolite (Pleistocene)
- Qslt - Obsidian sandstone, siltstone and claystone (Quaternary)
- QTs - Red and gray sequences of clay, silt, sand, conglomerate, till, and (or) loess (Pleistocene and Pliocene)
- QTc - Conglomerate (Pleistocene and Pliocene)
- QTgd - Glacial drift (Pleistocene and/or Pliocene)
- Tab - Andesite and basalt (upper Miocene)
- Tr - Rhyolite (upper Miocene)
- To - Obsidian pipes (upper Miocene)
- Td - Dacite flows (Tertiary)
- Tcgn - Conglomerate containing no volcanic material (Eocene?)
- Ta - Andesite (Tertiary)
- Tp - Perlite (Tertiary)
- Tfp - Felsite porphyry (Tertiary)
- Ts - Scoria (Tertiary)
- Tbxp - Flow-breccia and pumice (Miocene?)
- Tbxs - Pumice breccia and sandstone (Tertiary)
- Tdi - Intrusive dacite (Tertiary)
- Tbxc - Flow breccia and conglomerate (Tertiary)
- Tm - Mafic dike (Tertiary)
- Tb - Basalt (Tertiary)
- Ttrp - Trachyte porphyry (Miocene?)
- Th - Huckleberry Ridge Tuff (Pliocene)
- Thc - Huckleberry Ridge Tuff, Member C (Pliocene)
- Thb - Huckleberry Ridge Tuff, Member B (Pliocene)
- Tha - Huckleberry Ridge Tuff, Member A (Pliocene)
- Tg1 - Drift(?) probably related to glaciation 1 (Pliocene)
- Tsi - Shooting Iron Formation (Pliocene)
- Tcc - Conant Creek Tuff (Pliocene)
- Tcg - Conglomerate (upper Miocene)
- Tte - Teewinot Formation (upper Miocene)
- Ttem - Detachment mass of Madison Limestone within Teewinot Formation (upper Miocene)
- Tbc - Basalt intruded into Coulter Formation (Miocene)
- Tc - Colter Formation (middle and lower Miocene)
- Twr - White River Formation (Oligocene)
- Twi - Wiggins Formation (upper Eocene)
- Thp - Hominy Peak Formation (Eocene)
- Ttbc - Tuff of Boone Creek (Tertiary)
- Tbb - Basalt breccia (Eocene)
- Tl - Langford Formation (Eocene)
- TKp - Pinyon Conglomerate (Paleocene and Upper Cretaceous)
- Kh - Harebell Formation (Upper Cretaceous)
- Kme - Meeteetse Formation (Upper Cretaceous)
- Kmv - Mesaverde Formation (Upper Cretaceous)
- Ksb - Sohare Formation and Bacon Ridge Sandstone (Upper Cretaceous)
- Ks - Sohare Formation (Upper Cretaceous)
- Kb - Bacon Ridge Sandstone (Cretaceous)
- Kc - Cody Shale (Cretaceous)
- Kf - Frontier Formation (Cretaceous)
- Ka - Aspen Shale (Lower Cretaceous)
- Kmt - Mowry and Thermopolis Shales (Lower Cretaceous)
- Kmr - Mowry Shale (Cretaceous)
- Kbr - Bear River Formation (Lower Cretaceous)
- Kg - Gannett Group (Lower Cretaceous)
- KJc - Cloverly and Morrison Formations (Cretaceous and Jurassic)
- Jsg - Sundance and Gypsum Spring Formations (Upper and Middle Jurassic)
- Jus - Upper Sundance Formation (Jurassic)
- Jls - Lower Sundance Formation (Jurassic)
- Jgs - Gypsum Spring Formation (Jurassic)
- Jsp - Stump Formation and Preuss Redbeds (Upper and Middle Jurassic)
- Jt - Twin Creek Limestone (Middle Jurassic)
- JTRn - Nugget Sandstone (Jurassic? and Triassic?)
- TRc - Chugwater Formation (Triassic)
- TRa - Ankareh Shale (Upper and Lower Triassic)
- TRt - Thaynes Formation (Lower Triassic)
- TRw - Woodside Formation (Lower Triassic)
- TRd - Dinwoody Formation (Lower Triassic)
- Pp - Phosphoria Formation (Permian)
- PPNMwa - Wells and Amsden Formations (Permian, Pennsylvanian and Mississippian)
- PNMta - Tensleep Sandstone and Amsden Formation (Pennsylvanian and Mississippian)
- MDmd - Madison Limestone and Darby Formation (Mississippian and Upper Devonian)
- Mm - Madison Limestone (Mississippian)
- Dd - Darby Formation (Upper Devonian)
- Ob - Bighorn Dolomite (Upper and Middle Ordovician)
- OCbg - Bighorn Dolomite and Gallatin Limestone (Upper Cambrian and Upper Ordovician)
- Cgg - Gallatin Limestone and Gros Ventre Formation, Park Shale Member (Upper and Middle Cambrian)
- Cg - Gallatin Limestone (Upper Cambrian)
- Cgv - Gros Ventre Formation (Upper and Middle Cambrian)
- Cgd - Gros Ventre Formation, Death Canyon Limestone Member (Middle Cambrian)
- Cgf - Gros Ventre Formation, Wolsey Shale Member and Flathead Sandstone (Middle Cambrian)
- Cf - Flathead Sandstone (Middle Cambrian)
- PCsz - Shear zone (Proterozoic)
- PCq - Quartz veins (Proterozoic)
- PCd - Diabase dikes (middle or early Proterozoic)
- Xmo - Mount Owen Quartz Monzonite and associated pegmatite (early Proterozoic)
- Xg - Granitic rocks of the Gros Ventre Range (early Proterozoic)
- Wr - Rendezvous Metagabbro (late Archean)
- Wu - Ultramafic rocks (late Archean)
- Wa - Amphibolite (late Archean)
- Wgm - Layered gneiss and migmatite (late Archean)
- Wi - Magnetite iron-formation and associated anthophyllite schist, cordierite gneiss, and impure marble (late Archean)
- Woo - Biotite gneiss with magnetite eyes (late Archean)
- Wom - Areas where gneiss contains abundant pods and lenses of metagabbro (late Archean)
- Wvv - Webb Canyon Gneiss (late Archean)
- Wag - Augen gneiss (late Archean)