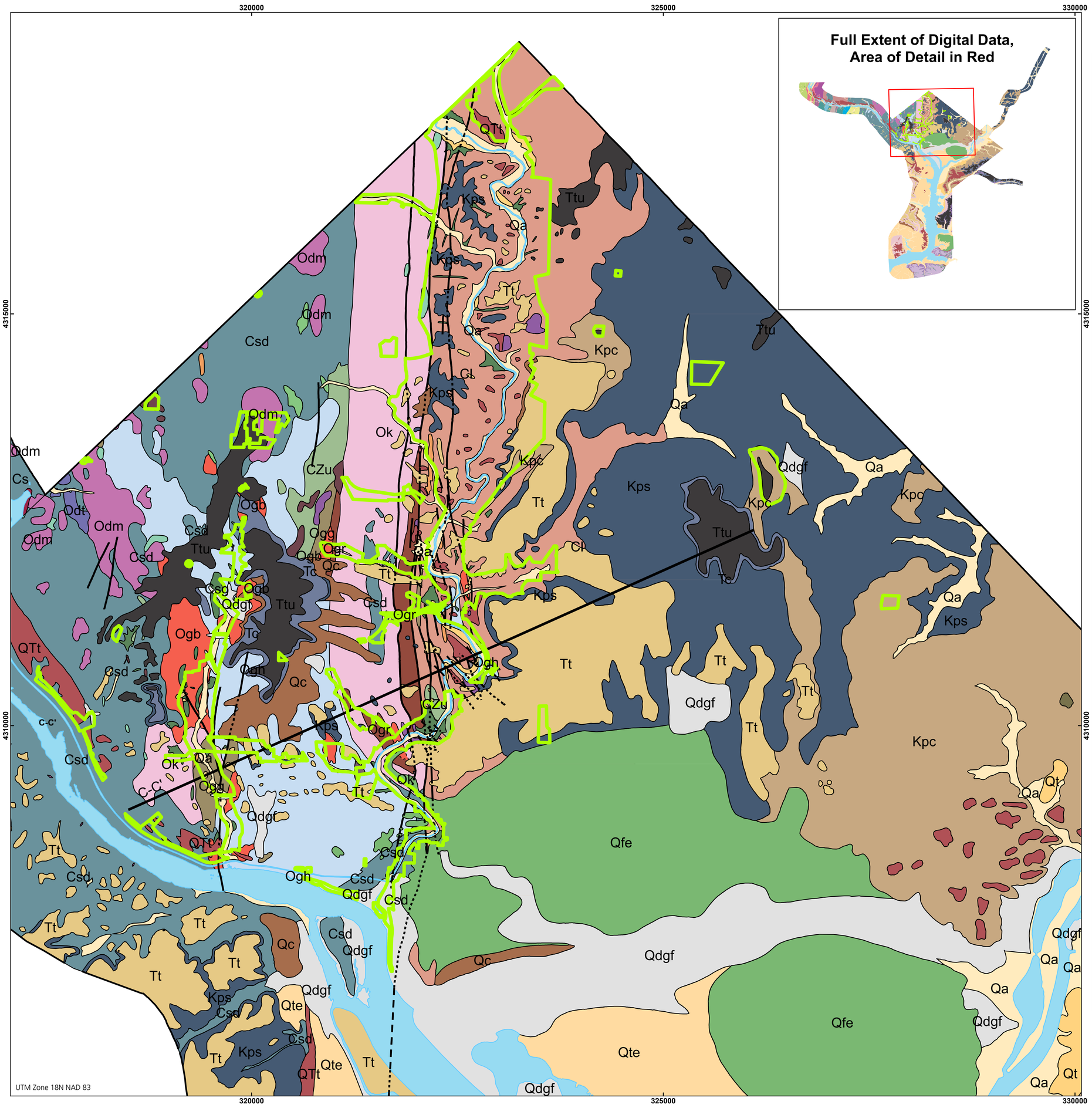
Geologic Map of Rock Creek Park



Rock Creek Park and Administered Areas

Faults

- unknown offset/displacement, known or certain
- unknown offset/displacement, concealed
- unknown offset/displacement, inferred

Geologic Cross Section Lines

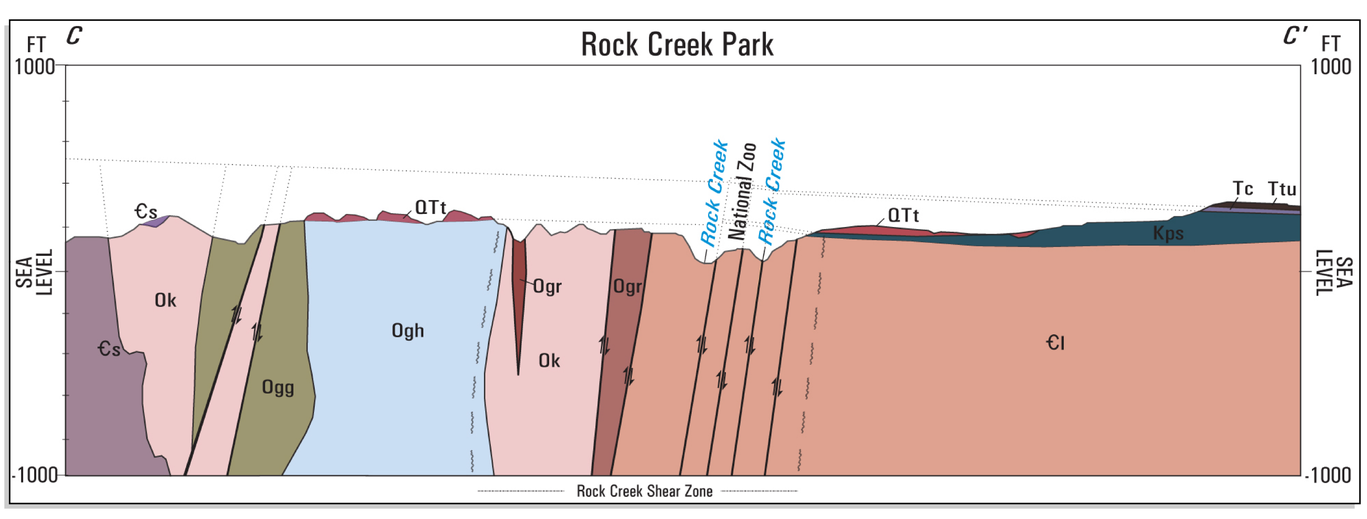
- Geologic Cross Section Lines

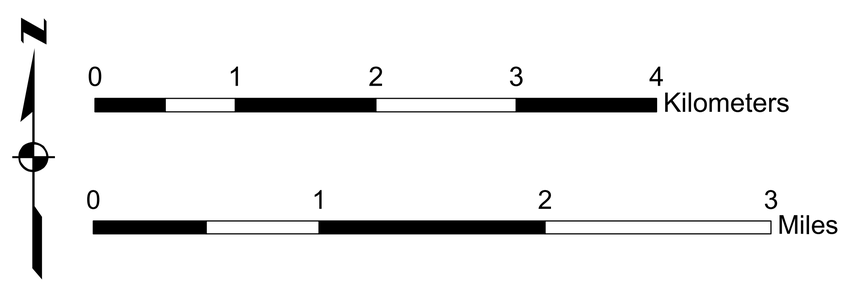
Surficial Contacts

- known or certain
- map boundary
- water or shoreline

Surficial Units

- Qdgf - Disturbed ground and artificial fill
- Qa - Alluvium
- Qt - Terrace deposits, low level
- Qc - Colluvium
- Qd - Debris
- Ql - Landslide
- Qte - Low-level fluvial and estuarine deposits
- Qfe - Upper-level fluvial and estuarine deposits
- QTt - Terrace deposits, upper level
- Tt - Terrace deposits
- Ttu - Highest level upland terrace deposits
- Tc - Calvert Formation
- Kpc - Potomac Formation, Clay-dominated lithofacies
- Kps - Potomac Formation, Sand-dominated lithofacies
- water





Geologic Contacts

- known or certain
- concealed
- map boundary
- water or shoreline
- subaqueous (inferred)

Geologic Units

- PZq - Vein quartz bodies
- Op - Pegmatite
- Ok - Kensington Tonalite
- Odm - Dalecarlia Intrusive Suite, Biotite monzogranite and lesser granodiorite
- Odt - Dalecarlia Intrusive Suite, Muscovite trondhjemite
- Ogh - Georgetown Intrusive Suite, Biotite-hornblende tonalite
- Ogg - Georgetown Intrusive Suite, Quartz gabbro
- Ogb - Georgetown Intrusive Suite, Biotite tonalite
- Ogr - Georgetown Intrusive Suite, Garnetiferous biotite-hornblende tonalite
- Ogp - Georgetown Intrusive Suite, Pyroxenite
- Ogl - Granite
- Oq - Quartz veins
- Cs - Sykesville Formation, undifferentiated
- Csd - Sykesville Formation, Diamictite
- Csg - Sykesville Formation, Metagraywacke and schist
- Csp - Sykesville Formation, Chlorite-sericite phyllonite
- Cl - Laurel Formation
- CZu - Metavolcanic and meta-igneous rocks of uncertain origin, Ultramafic rocks
- CZa - Metavolcanic and meta-igneous rocks of uncertain origin, Amphibolite
- CZg - Metavolcanic and meta-igneous rocks of uncertain origin, Metagabbro and metapyroxenite
- CZt - Metavolcanic and meta-igneous rocks of uncertain origin, Soapstone, talc schist, and actinolite

This map graphically presents digital geologic data prepared as part of the NPS Geologic Resources Division's Geologic Resources Inventory. The source maps used in creation of the digital geologic data product were:

Southworth, S., D. Denenny. 2006. *Geologic Map of the National Parks in the National Capital Region, Washington D.C., Virginia, Maryland and West Virginia.* Scale 1:24,000. USGS, OF 2005-1331.

Southworth, S., D.K. Brezinski, R.K. Orndorff, P.G. Chirico, and K. Lagueux. 2001. *Digital Geologic Map and Database of the Chesapeake and Ohio Canal National Historical Park, District of Columbia, Virginia, Maryland, and West Virginia.* Open File Report 2001-188A and 2001-188B. 1:24,000. U.S. Geological Survey.

Digital geologic data and cross sections for Rock Creek Park, and all other digital geologic data prepared as part of the Geologic Resources Inventory, are available online at the NPS Data Store: http://science.nature.nps.gov/nrdata/