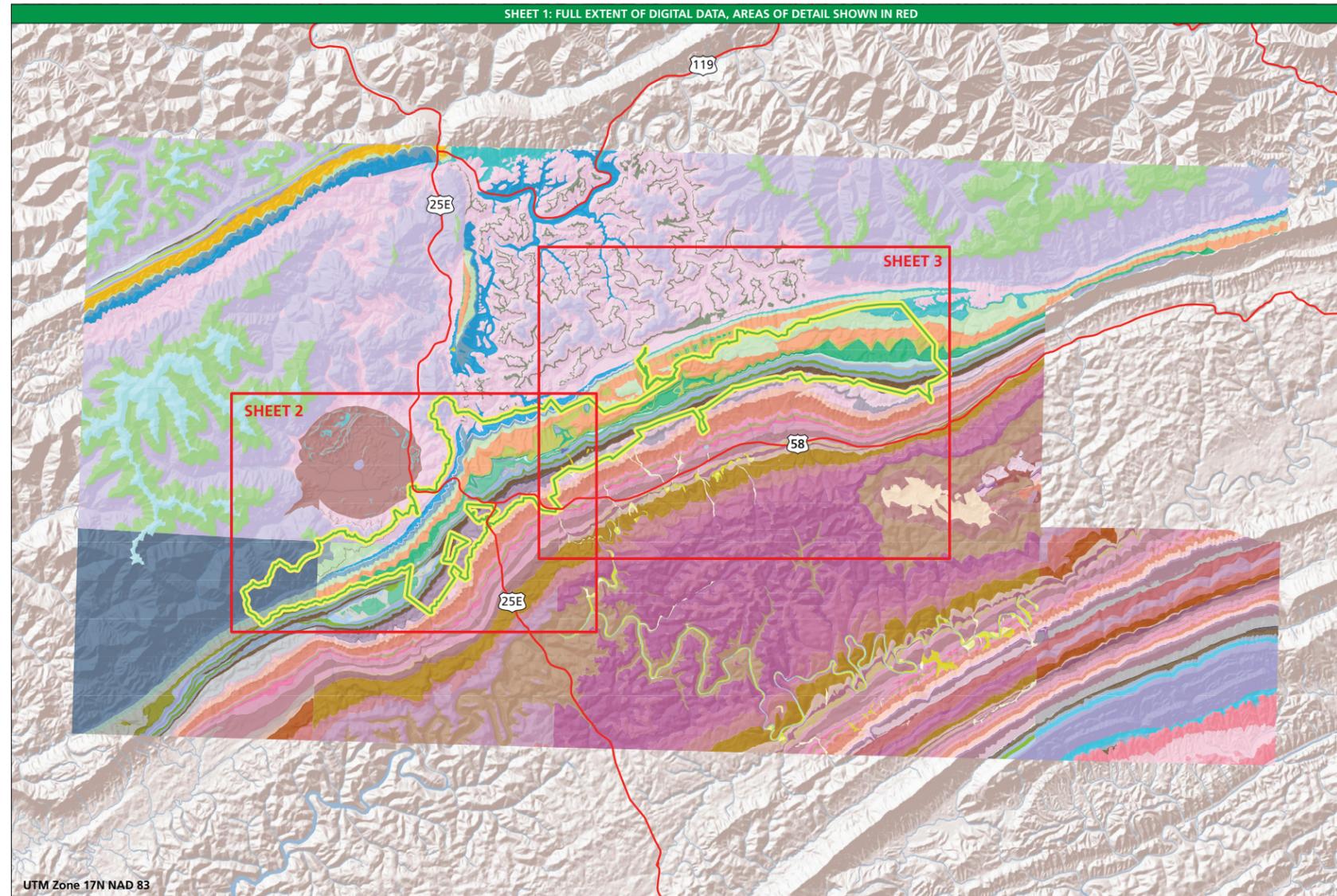




# Overview of Digital Geologic Data for Cumberland Gap NHP



Surficial Units	
Water	Mn - Newman Limestone
Qf - Artificial fill	Mnu - Upper member, Newman Limestone
Qal - Alluvium	Mnl - Lower member, Newman Limestone
Qaf - Alluvial fan deposits	Mnf - Lower member, Newman Limestone and Fort Payne Chert
Qt - Terrace deposits	Mg - Grainger Formation
Qls - Landslide deposits	MDC - Chattanooga Shale
Qc - Colluvium	Sh - Hancock Dolomite
	Sct - Clinton Shale
	Sr - Rockwood Formation
	Sru - Upper shale member, Rockwood Formation
	Srs - Sandstone member, Rockwood Formation
	Srl - Lower shale member, Rockwood Formation
	Sc - Clinch Sandstone
	Scp - Poor Valley Ridge Member, Clinch Sandstone
	Sch - Hagan Shale Member, Clinch Sandstone
	Os - Sequatchie Formation
	Or - Reedsville Shale
	Qt - Trenton Limestone
	De - Eggleston Limestone
	Ohc - Hardy Creek Limestone
	Obh - Ben Hur Limestone
	Ow - Woodway Limestone
	Ohb - Hurricane Bridge Limestone
	Omp - Martin Creek, Rob Camp, and Poteet Limestone, undivided
	Omp - Martin Creek Limestone and Poteet Limestone, undivided
	Omc - Martin Creek Limestone
	Orc - Rob Camp Limestone
	Opd - Poteet Limestone and Dot Formation, undivided
	Op - Poteet Limestone
	Od - Dot Formation
	Onl - Newala Dolomite and Longview Dolomite, undivided
	On - Newala Dolomite
	Oli - Longview Dolomite
	Ok - Kingsport Formation
	Oma - Mascot Dolomite
	Oc - Chepuzepec Dolomite
	Ocu - Upper member, Chepuzepec Dolomite
	Ocl - Lower member, Chepuzepec Dolomite
	Ccm - Copper Ridge Dolomite and Maynardville Limestone, undivided
	Ccr - Copper Ridge Dolomite
	Cmn - Maynardville Limestone
	Cc - Conasauga Shale
	Cm - Maryville Limestone
	Crg - Rogersville Shale
	Crt - Rutledge Limestone
	Cpv - Pumpkin Valley Shale
	Cr - Rome Formation

Geologic Units	
Water	
Qal - Alluvium	
Qaf - Alluvial fan deposits	
Qc - Colluvium	
Qth - Terrace deposits (high level terrace deposits)	
Qtl - Terrace deposits (low level terrace deposits)	
PNbd - Breathitt Group, intensely deformed	
PNbdss - Unnamed sandstone member, Breathitt Group, intensely deformed	
PNfc - Four Corners Formation	
PNfcre - Reynolds Sandstone Member, Four Corners Formation	
PNbu - Upper part of Breathitt Group, undifferentiated	
PNh - Hyden Formation	
PNhj - Jesse Sandstone Member, Hyden Formation	
PNhp - Puckett Sandstone Member, Hyden Formation	
PNm - Mingo Formation	
PNpk - Pikeville Formation	
PNbm - Middle part of Breathitt Group, undifferentiated	
PNha - Hance Formation	
PNg - Grundy Formation	
PNgs - Unnamed sandstone member, Grundy Formation	
PNbl - Lower part of Breathitt Group	
PNgy - Yellow Creek Sandstone Member, Grundy Formation	
PNbr - Bee Rock Sandstone	
PNbru - Naese Sandstone Member, Upper part of Bee Rock Sandstone	
PNbrl - Lower part of Bee Rock Sandstone	
PNah - Hensley Member, Aly Creek Formation	
PNahus - Hensley Member, Aly Creek Formation and upper part of Sewanee Sandstone	
PNsw - Sewanee and Warren Point Sandstones	
PNss - Sewanee Sandstone	
PNsls - Lower part of Sewanee Sandstone	
PNbcdw - Dark Ridge Shale Member, Bottom Creek Formation and Warren Point Sandstone	
PNbcd - Dark Ridge Shale Member, Bottom Creek Formation	
PNwps - White Rocks sandstone bed, Warren Point Sandstone	
PNwp - Warren Point Sandstone	
PNlmp - Lower part of Breathitt Group and Pennington Group	
Mp - Pennington Group	
Mpu - Upper part of Pennington Group	
Mpo - Pinnacle Overlook Sandstone, Pennington Group	
Mpl - Lower part of Pennington Group	

NPS Boundary	Geologic Contacts	Folds	Faults
NPS Boundary	known or certain	monocline, known or certain	unknown offset/displacement, known or certain
Major Highways	approximate	monocline, synclinal bend, known or certain	unknown offset/displacement, approximate
Highway	concealed	monocline, synclinal bend, approximate	thrust fault, known or certain
Surficial Contacts	inferred	monocline, synclinal bend, concealed	thrust fault, concealed
known or certain	gradational	monocline, anticlinal bend, known or certain	thrust fault, approximate
approximate	quadrangle boundary	monocline, anticlinal bend, approximate	reverse fault, known or certain
concealed	map boundary	syncline, known or certain	reverse fault, concealed
quadrangle boundary	water or shoreline	syncline, approximate	reverse fault, approximate and queried
map boundary	subaqueous (inferred)	anticline, known or certain	reverse fault, approximate
water or shoreline	scratch boundary	anticline, approximate	normal fault, concealed, bar and ball on downthrown side
		anticline, overturned	normal fault, approximate, bar and ball on downthrown side
		fault up 'U' indicator	left-lateral strike-slip fault, concealed
		fault down 'D' indicator	left-lateral strike-slip fault, approximate
			fault scarp, approximate

These figures were prepared as part of the NPS Geologic Resources Division's Geologic Resources Inventory. They are an overview of compiled digital geologic data, and not a substitute for site-specific investigations.

Minor inaccuracies may exist regarding the location of geologic features relative to other geologic or geographic features on the figure. Based on the source map scales (1:24,000) and U.S. National Map Accuracy Standards, geologic features represented here are within 12 meters / 40 feet of their true location.

The source maps used in creation of the digital geologic data product include publications from the Kentucky Geological Survey, Tennessee Division of Geology, and U.S. Geological Survey (see Geologic Map Data Section in report for specific sources).

Digital geologic data and cross sections for Cumberland Gap National Historical Park, and all other digital geologic data prepared as part of the Geologic Resources Inventory, are available online at the NPS Natural Resource Information Portal: <https://nrip.nps.gov/Reference.mvc/Search>. (Enter "GRI" as the search text and select Cumberland Gap National Historical Park from the unit list.)