

USGS National Center Entrance

Follow signs from the Visitors Parking. All visitors must enter at the Visitors Entrance and pass through a security screening process. All packages, briefcases, handbags, etc. will be scanned. Visitors must sign in and present a picture identification, such as a State driver's license. The guard will then issue a visitor's badge that must be worn at all times.

Main Switchboard for USGS National Center 703-648-4000

USGSGeneral Information	888-ASK-USGS (888-275-8747)
Earth Science Information	
Main Number	703-648-6045
TDD	703-648-6131
FAX	703-648-5545
USGS Visitors Center	703-64-VISIT
	(703-648-4748)

Visit USGS online at www.usgs.gov

Note: Children under the age of 16 accompanied by a parent or sponsor (such as a teacher or counselor) are not subject to the entry screening process.

Visitors bringing laptop computers into the building are required to write the word "laptop" and the serial number on the sign-in beneath their printed name.

USGS Library

Re	ference Desk	
Cir	culation Desk	
FAX	X	
TD	D	
Tra	nslations	
Employ	ment Information	
Ma	in Number	703-648-6131
TD	D	
FAX	X	
Volunte	ers Opportunities	
Ma	in Number	703-648-7440
TD	D	

Geology and Hydrology of the USGS Site

The USGS National Center site straddles the boundary of the eastern edge of the Triassic lowland and the margin of the Piedmont crystalline rock province. The Piedmont upland at the east side of the site is underlain by the Peters Creek Schist, a foliated metamorphic rock that is probably 550 to 650 million years old. The schist is overlain at an erosion unconformity by a layered sequence of conglomerate, sandstone, siltstone, and shale. These sedimentary rocks of Late Triassic age are typically dark red. The sedimentary sequence was intruded by 195-million-year-old diabase, some of which lies 500 meters (1,640 feet) west of the site. The rocks in contact with the diabase intrusion were thermally meta-morphosed (changed by heat) into hornfels, a brittle gray and mauve rock containing abundant green epidote crystals. The layered rocks are locally cut by normal faults and tilted 10 to 30 degrees to the west. The rocks were eroded over time and are weathered near the surface. A veneer of Quaternary alluvial sand, gravel, silt, and clay occupies the two small stream valleys that drain most of the National Center site.

USGS scientists continuously monitor the groundwater level at several observation wells on the National Center site. Between 1976 and 1980, the wells were drilled or cored to depths of 63 meters (205 feet) to 184 meters (605 feet). An observation well containing a continuous water-level recorder (hydrograph) is northeast of the main building in a small enclosed hut. Display panels explain the hydrograph's operation and provide additional information on the local and regional hydrogeology. The observation well can be reached by taking the Woodland Walk.

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