



GEOFACTS No. 21

OHIO DEPARTMENT OF NATURAL RESOURCES • DIVISION OF GEOLOGICAL SURVEY

WHERE TO SEE OHIO'S GEOLOGY

Listed below are places where you can hike through scenic areas, collect fossils, or visit archaeological or historical sites that have a geological focus. The facilities of the Ohio Geological Survey (Delaware County—Horace R. Collins Laboratory, 740-548-7348; Erie County—Lake Erie Geology Group, 419-626-4296; Franklin County—main office, 614-265-6576) have displays and information on geology. For additional information on the sites listed below, please contact the appropriate agency, not the Ohio Geological Survey.

KEY:

- A archaeology site
- CP city or county park
- F fossil collecting, by permission only
- GSA# Ohio Division of Geological Survey GSA reprint (see References)
- H historical site
- MP metropark
- PR permit required
- PV private
- RR# hike number from Ramey (see References)
- S scenic geology
- \$ access fee
- < > Web site address

Adams County: Davis Memorial State Nature Preserve (S); Johnson Ridge (formerly Unity Woods) State Nature Preserve (S); Serpent Mound State Memorial (A, S, GSA 100); Strait Creek Prairie Bluff State Nature Preserve (S, PR); Robert A. Whipple State Nature Preserve (S); Buzzardroost Rock (S, PV); Sparrowood Nature Area (S, PV)

Ashland County: Mohican State Park and State Forest (S, RR10); Clear Fork Gorge State Nature Preserve (S)

Athens County: Burr Oak State Park (S, RR22); Strouds Run State Park (S, RR28); Desonier State Nature Preserve (S); Gifford State Forest (S); Acadia Cliffs State Wildlife Area (S); Waterloo State Wildlife Experiment Station (S)

Belmont County: Barkcamp State Park (S); Raven Rocks (S)

Brown County: Indian Creek State Wildlife Area (S)

Butler County: Hueston Woods State Park (S, F, 513-523-6347); Governor Bebb Park (S, CP); Miami and Erie Canal Park (H, CP); Rentschler Forest Preserve (S, CP); Miami University Geology Museum (513-529-3220, <<http://www.cas.muohio.edu/limpermuseum/>>)

Champaign County: Cedar Bog State Nature Preserve (S); Siegenthaler-Kaestner Esker State Nature Preserve (S); Ohio Caverns (S, \$, 937-465-4017, <<http://www.cavern.com/ohiocaverns/>>)

Clark County: Snyder Park (S, CP)

Clermont County: East Fork State Park (S, F, RR38, 513-797-6081); Stonelick State Park (S, F, 513-625-7544); Cincinnati Nature Center (S, PV, \$ on Sat. & Sun., <<http://www.cincynature.org/>>)

Clinton County: Cowan Lake State Park (S, 937-289-2105)

Columbiana County: Beaver Creek State Park (S, H, RR12); Sheepskin Hollow (formerly Little Beaver Creek) State Nature Preserve (S)

Coshocton County: Woodbury State Wildlife Area (S)

Cuyahoga County: Cleveland Metroparks System (216-351-6300, <<http://www.clemetparks.com/>>): Bedford Reservation-Tinkers Creek Gorge (S, MP), Big Creek (S, MP), Bradley Woods (S, MP), Brecks-ville Reservation (S, MP, RR13), Euclid Creek (S, MP), North Chagrin Reservation (S, MP), Rocky River Reservation (S, MP), South Chagrin Reservation (S, MP), Shaker Lakes Regional Nature Center (S, MP); Cuyahoga Valley National Park (S, H, GSA 93, RR14, 216-524-1497, <<http://www.nps.gov/cuva/>>); Cleveland Museum of Natural History (\$, 216-231-4600 or 800-317-9155, <<http://www.cmnh.org/>>)

Delaware County: Alum Creek State Park (S); Highbanks (S, H, A, MP—see Franklin County for phone number, RR7); Blue Limestone Park (S, CP); O'Shaughnessy Reservoir and Dam (S, CP); Olentangy Indian Caverns (S, \$, 740-548-7917, <<http://www.olentangiindiancaverns.com/>>)

Erie County: Kelleys Island (S, H, A, GSA 91, RR47); Glacial Grooves State Memorial (S, H); Milan State Wildlife Area (S); The Blue Hole at Castalia (S)

Fairfield County: Christmas Rocks State Nature Preserve (S, PR); Rhododendron Cove State Nature Preserve (S, PR); Shallenberger State Nature Preserve (S); Wahkeena Nature Preserve (Ohio Historical Society) (S, H, \$); Rock Mill Dam State Wildlife Area (S); Lockville Locks (H, CP); Rising Park and Mount Pleasant (S, H, CP); Tarlton Cross Mound (S, A)

Franklin County: Columbus and Franklin County Metropolitan Park District (614-508-8000, <<http://www.metroparks.net/>>); Blendon Woods (S, MP), Highbanks (S, H, A, MP, RR7); Friendship Park (S, CP); Glen Echo Park (S, CP); Griggs Reservoir and Dam (S, CP); Hayden Run Falls (S, CP); Indian Village Camp (S, H, CP); Whetstone Park (S, CP); Ohio Historical Center (\$, 614-297-2300, <<http://www.ohiohistory.org/>>); Ohio State University Orton Museum (614-292-6896)

Gallia County: Tycoon Lake State Wildlife Area (S); Bob Evans Farm (S, H)

Geauga County: Aquilla Lake State Wildlife Area (S, H); Big Creek Park (S, CP); Metals Park (S, H, CP); Thompson Ledge Park (S, CP)

Greene County: John Bryan State Park (S, GSA97, RR37); Little Miami State Park (S); Clifton Gorge State Nature Preserve (S, H, RR37); Travertine Fen State Nature Preserve (S, PR); Glen Helen (S, H, A, PV—owned by Antioch College, RR41, 937-767-7375, <<http://www.glenhelen.org/>>)

Guernsey County: Salt Fork State Park (S)

Hamilton County: Hamilton County Park District (513-521-7275, <<http://hamiltoncountyparks.org/>>); Miami Whitewater Forest (S, H, \$, MP), Sharon Woods (S, H, \$, MP), Shawnee Lookout (S, A, \$, MP, RR43), Winton Woods (S, \$, MP); Greenbelt State Nature Preserve (S, PR); Newberry State Nature Preserve (S, PR); Sharon Woods Gorge State Nature Preserve (S); Cincinnati Museum of Natural History (\$, 513-287-7000 or 800-733-2077, <<http://www.cincymuseum.org/>>); University of Cincinnati Geology Museum (513-556-3732)

Harrison County: Harrison State Reclamation Area (S, H); Tappan Lake Park (S, RR20); History of Coal Museum (740-942-2623, <<http://harrisoncountyohio.org/coalmuseum/default.htm>>)

Highland County: Paint Creek State Park (S); Rocky Fork State Park (S); Fort Hill State Memorial (S, A, \$, RR39); Etawah Woods State Nature Preserve (S, PR, guided tours); Miller State Nature Preserve (S, PR); Fallsville State Wildlife Area (S, H); Barrett's Mill (S, H); Seven Caves (S, H, \$, 937-365-1283 or 800-290-9695, <<http://www.7caves.com/>>)

Hocking County: Hocking Hills State Park (S, RR8, Hocking Hills information: 740-385-6842 or 800-HOCKING, <<http://www.hockinghills.com/>>); Ash Cave, Cantwell Cliffs, Cedar Falls, Conkle's Hollow State Nature Preserve (RR5), Old Man's Cave (H, A), Rock House; Tar Hollow State Park (S, RR29); Clear Creek (formerly Allen F. Beck) State Nature Preserve (S); Crane Hollow State Nature Preserve (S, PR); Little Rocky Hollow State Nature Preserve (S, PR); Rockbridge State Nature Preserve (S); Sheick Hollow State Nature Preserve (S, PR); Wayne National Forest (S, RR11)

Huron County: Augusta-Anne Olsen (formerly Vermilion River) State Nature Preserve (S, PR)

Jackson County: Jackson Lake State Park (S); Lake Katherine State Nature Preserve (S, RR24); Buckeye Furnace State Memorial (S, H, \$); Leo Petroglyph State Memorial (S, A); Cooper Hollow State Wildlife Area (S, RR23); Liberty State Wildlife Area (S)

Jefferson County: Jefferson Lake State Park (S); Brush Creek State Wildlife Area (S); Fernwood State Forest (S)

Knox County: Brinkhaven Access Wildlife Preserve (S)

Lake County: Chapin Forest Reservation (S, MP); Hogback Ridge Park (S, H, A, MP); Indian Point Park (S, A, MP); Headlands Dunes State Nature Preserve (S); Holden Arboretum (S, PV)

Lawrence County: Dean State Forest (S); Wayne National Forest (S, RR31)

Licking County: Black Hand Gorge State Nature Preserve (S, H, A, GSA95, RR3); Flint Ridge State Memorial (S, H, A, GSA96, \$); Octagon Earthworks and Moundbuilders Earthworks (A, \$)

Logan County: Campbell Hill (S); Zane Shawnee Caverns (S, \$, 937-592-9592, <<http://www.homestead.com/zaneshawneecaverns/introduction.html>>)

Lorain County: Black River Reservation (S, MP); Indian Hollow Reservation (S, H, MP); Vermilion River Reservation (S, H, MP)

Lucas County: Metroparks of the Toledo Area (419-535-3058)

ext. 101, <<http://www.metroparkstoledo.com>>): Farnsworth Metropark (S, MP), Oak Openings Preserve (S, MP), Secor Metropark (F, MP, 419-829-2761), Fossil Park (F, S, MP, 419-882-8313, <http://olanderpk.com/xfer/info_fossil.html>)

- Mahoning County:** Mill Creek Park (S, H)
- Medina County:** Hinckley Reservation (S, CP, RR18)
- Meigs County:** Forked Run State Park (S); Shade River State Forest (S); Belleville Locks and Dam (S, H, CP)
- Miami County:** Miami County Park District (937-667-1086, <<http://www.miamicountyparks.com>>); Charleston Falls Preserve (S, MP, RR36); Ludlow Falls (S), Overlook Falls (S), Greenville Falls State Nature Preserve (S), Brukner Nature Center (S, 937-698-6493, <<http://www.bruknernaturecenter.com/>>)
- Monroe County:** Rothenbuhler Woods State Nature Preserve (S, PR); Sunfish Creek State Forest (S)
- Montgomery County:** Montgomery County Park District (937-275-7275, <<http://metroparks.org>>); Englewood Reserve (S, MP), Germantown Reserve (S, MP, RR40), Huffman Reserve (S, H, MP), Taylorsville Reserve (S, MP); Boonschoft Museum of Discovery (\$, 937-275-7431, <<http://www.boonschoftmuseum.org>>)
- Morgan County:** Burr Oak State Park (S, RR22); Ohio Power Recreation Area (S, RR25); Wayne National Forest (RR30 & 32)
- Morrow County:** Mt. Gilead State Park (S)
- Muskingum County:** Blue Rock State Park and State Forest (S); Baughman Park (S, H)
- Noble County:** Wolf Run State Park (S); Senecaville Lake (S)
- Ottawa County:** Marblehead Lighthouse State Park (S, H); South Bass Island State Park (S); Crystal Cave-Heineman Winery (S, \$, 419-285-2811); Perry's Cave (S, \$, 419-285-2405, <<http://www.perryscave.com>>)
- Perry County:** Perry State Reclamation Area (S, H); Wayne National Forest (S, RR11 & 32)
- Pike County:** Lake White State Park (S); Pike Lake State Park (S); Strait Creek Prairie Bluff State Nature Preserve (S, PR); Pike State Forest (S); Cave Lake Park (S)
- Portage County:** Nelson-Kennedy Ledges State Park (S)
- Prebble County:** Hueston Woods State Park (S, F, 513-523-6347); Rush Run State Wildlife Area (S); Fort St. Clair State Memorial (S); Imes Park (S, CP)
- Richland County:** Hemlock Falls (S, CP)
- Ross County:** Great Seal State Park (S, H); Scioto Trail State Park and State Forest (S, H, RR26); Tar Hollow State Park and State Forest (S, RR29); Hopewell Culture National Historical Park (S, A, H, \$); Seip Mound (S, A, H, \$); Copperas Mountain (S, GSA99)
- Sandusky County:** Miller Blue Hole (S)
- Scioto County:** Shawnee State Park and State Forest (S, RR27); Raven Rock State Nature Preserve (S, PR)
- Seneca County:** Seneca Caverns (S, \$, 419-483-6711, <<http://www.senecacavernsohio.com>>)
- Stark County:** McKinley Museum of Science and Technology (\$, 330-455-7043, <<http://www.mckinleymuseum.org>>); Wilderness Center (S, PV)



- Summit County:** Summit County Metro Parks (330-867-5511, <<http://www.neo.rr.com/MetroParks/home.html>>); Deep Lock Quarry (S, H, MP), Furnace Run (S, MP), Gorge Metropark (S, H), Virginia Kendall Metropark (S); Adell Durban Park and Arboretum (S, CP); Cuyahoga Valley National Park (S, H, RR14, 216-524-1497, <<http://www.nps.gov/cuva/>>)
- Tuscarawas County:** Devil's Den Park (S, H, CP); Zoar Lake (S, H)
- Union County:** Glacier Ridge Metro Park (S, MP, 614-891-0700, <<http://metroparks.net/ParksGlacierRidge.aspx>>)
- Vinton County:** Lake Alma State Park (S); Lake Hope State Park and Zaleski State Forest (S, H, RR33); Tar Hollow State Park and State Forest (S, RR29)
- Warren County:** Caesar Creek State Park (F, H, 513-897-1050); Little Miami State Park (S); Caesar Creek Gorge State Nature Preserve (S); Halls Creek Woods State Nature Preserve (S); Fort Ancient State Memorial (A, \$)
- Washington County:** Acadia Cliffs State Wildlife Area (S); Boord State Nature Preserve (S); Ladd Natural Bridge State Nature Preserve (S, PR); Wayne National Forest (S, RR30)
- Wayne County:** Spangler Park (S, CP); Ken Miller's Oil and Gas Museum (PV, call ahead: 330-264-9146, <<http://www.oogeep.org/museum.htm>>)
- Wood County:** Ostego Park (S, CP); Steidtmann Wildlife Sanctuary (S, PV)
- Wyandot County:** Indian Trail Caverns (S, PV, \$, 419-387-7773, <<http://www.indian-trail-caverns.com>>)

DIVISION OF GEOLOGICAL SURVEY



OHIO DEPARTMENT OF NATURAL RESOURCES



STATE OF OHIO

CONTACT INFORMATION FOR STATE OF OHIO AGENCIES

- Division of Forestry:** 614-265-6694, <<http://www.ohiodnr.com/forestry/>>
- Division of Geological Survey:** 614-265-6576, <<http://www.ohiodnr.com/geosurvey/>>; site includes links to geological surveys in other states and various geologic organizations
- Division of Natural Areas and Preserves:** 614-265-6453, <<http://www.ohiodnr.com/dnap/>>
- Division of Parks and Recreation:** 614-265-7000, <<http://www.ohiodnr.com/parks/>>
- Division of Wildlife:** 614-265-6300, <<http://www.ohiodnr.com/wildlife/>>
- Ohio Historical Society:** 614-297-2300, <<http://www.ohiohistory.org>>
- Ohio Tourism:** 800-BUCKEYE (282-5393), <<http://www.discoverohio.com>>

FURTHER READING

Hansen, M. C., 1975, Geology of the Hocking Hills State Park region: Ohio Division of Geological Survey Guidebook 4, 23 p.

_____, 1980, Guide to the geology along U.S. Route 23 between Columbus and Portsmouth: Ohio Division of Geological Survey Educational Leaflet 11.

_____, 1989, Guide to the geology along Interstate 77 between Marietta and Cleveland: Ohio Division of Geological Survey Educational Leaflet 15.

_____, 1992, Indian Trail Caverns—a window on Ohio's Pleistocene bestiary: Ohio Division of Geological Survey, *Ohio Geology*, Spring, p. 1, 3.

Melvin, R. W., 1974, A guide to Ohio outdoor education areas, 2nd ed.: Ohio Department of Natural Resources and Ohio Academy of Science, 231 p.

Hull, D. N., 1982, Guide to the geology along Interstate 75 between Toledo and Cincinnati: Ohio Division of Geological Survey Educational Leaflet 13.

_____, 1988, Guide to the geology along Interstate 70 between the Ohio-Indiana boundary and Columbus: Ohio Division of Geological Survey Educational Leaflet 14.

Ohio Division of Geological Survey, GSA Centennial Field Guide reprints.

Ohio Division of Natural Areas & Preserves, 1996, Directory of Ohio's State Nature Preserves: 115 p.

Ramey, Ralph, 1990, Fifty hikes in Ohio: walks, hikes, and backpacking trips throughout the Buckeye State: Woodstock, Vermont, The Countryman Press, Inc., Backcountry Publications, 238 p.

Shrake, D. L., 1992, Excursion to Caesar Creek State Park in Warren County, Ohio: a classic Upper Ordovician fossil-collecting locality: Ohio Division of Geological Survey Guidebook 12, 18 p.

