



OHIO DNR > I WANT TO ... > RECREATION > REGULATION > LANDOWNERS > PROGRAMS > MEDIA & NEWS > CONTACT >

Quakes: 2010 to Present Pgs > Youngstown, December 31, 2011

Geological Survey Home

Earthquakes/OhioSeis:

OhioSeis Home

About OhioSeis

Contact Info

Did You Feel an Earthquake?

FAQ-Quakes in Ohio

Quakes Felt In

Ohio

Maps & Charts

Seismic Station Data

Seismic

Magnitude/Intensity

Scales

Seismic Risk in Ohio

Earthquake

Information Center

Research

Related Internet Sites

News & Events

Major Topics

Contacts & About Us

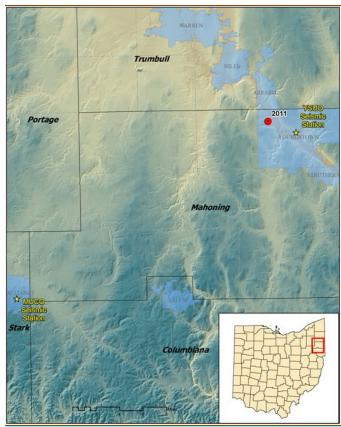
Earthquake, Youngstown, Mahoning County, December 31, 2011

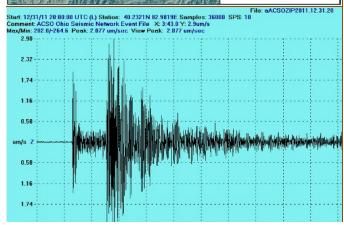
Origin Time: 31 December, 2011, 20:04:59.01 UTC

Location: 41.11 North 80.69 West

Magnitude: 4.0 mbLg

Depth: 3.68 km







Seismogram of the December 31 earthquake recorded at Alum Creek State Park.

A 4.0 magnitude earthquake centered at Youngstown rocked northeastern Ohio just before 3:05 p.m. EST on New Year's Eve. This was the 11th earthquake in a sequence that began on March 17, 2011 at Youngstown. The December 31 earthquake was felt throughout northeastern Ohio, adjacent areas in western Pennsylvania, and in Ontario, Canada. Media reports indicate that damage was minor from this event with a few reports of cracked plaster and glassware falling from shelves. Earthquakes in the low 4 magnitude range would not be expected to cause major damage. More than 4,700 felt reports have been submitted by individuals to the U.S. Geological Survey's Did You Feel It Web site. Individuals who felt this event are encouraged to submit a report or email:ohioseis@dnr.state.oh.us. Please include a description of what you felt and your street address in your email message.

This earthquake was recorded by seismic stations of the Ohio Seismic Network throughout Ohio and by portable seismometers in the epicentral area.

Recent Events List

Offshore of Eastlake, Lake County, June 10, 2019

Minford, Scioto County, March 20, 2019

Cleveland, Cuyahoga County, March 06, 2019

Georgetown, Brown County, March 03, 2019

Concord, Lake County, January 13th, 2019

Barlow, Washington County, January 6th, 2019

Fairport Harbor, Lake County, December 7th, 2018

Waterford, Washington County, November 24th, 2018

Racine, Meigs County, November 17, 2018

Dungannon, Noble County, November 01, 2018, 3 Quakes

Amelia, Clermont County, September 17th, 2018

Thompson, FGeauga County, September 4, 2018

Perry, Lake County, July 31, 2018

Northern Kentucky, Lewis County, March 25, 2018

Marietta, Washington County, March 25, 2018

Marietta, Washington County, January 26, 2018

Marietta, Washington County, December 28, 2017

Northern Kentucky, Mason County, December 17, 2017

Marietta, Washington County, December 9, 2017

Batesville, Noble County, June 03, 2017

McArthur, Vinton County, May 24, 2017

Painesville, Lake County, April 8, 2017

Graysville, Monroe County, April 2, 2017

Graysville, Monroe County, April 2, 2017

Graysville, Monroe County, March 30, 2017

Northern Kentucky, Greenup County, March 4, 2017

Marietta, Washington County, February 12, 2017

Proctorville, Lawrence County, January 23, 2017

Graysville, Monroe County, December 15, 2016

Graysville, Monroe County, December 12, 2016

Graysville, Monroe County, December 9, 2016

Piedmont, Harrison County, November 27, 2016

Piedmont, Harrison County, November 13, 2016

Barnesville, Guernsey County, August 3, 2016

Marietta, Washington County, May 18, 2016

Marietta, Washington County, May 11, 2016 (1)

Marietta, Washington County, May 11, 2016 (2)

Titusville, Pennsylvania, April 18, 2016

Centerville, Gallia County, March 8, 2016

Lake Erie, Ottawa County, February 7, 2016

Freeport, Harrison County, September 30, 2015

Freeport, Harrison County, September 29, 2015

Freeport, Harrison County, September 10, 2015

Marietta, Washington County, July 19, 2015

Racine, Meigs County, July 10, 2015

Union City, Michigan, Calhoun County, June 30, 2015

Convoy, Van Wert County, June 12, 2015

Maysville Kentucky, Mason County, May 11, 2015

Galesburg Michigan, Kalamazoo County, May 02, 2015

Harpersfield, Ashtabula County, April 12, 2015

Marietta, Washington County, March 03, 2015

Jackson, Jackson County, February 11, 2015

Greenup County, Kentucky, December 28, 2014

Stockdale, Pike County, December 21, 2014

West Salem, Wayne County, October 21, 2014

Bolindale, Trumbull County, August 31, 2014

Painesville, Lake County, July 09, 2014

Madison, Lake County, April 08, 2014

Lowellville, Mahoning County, March 11, 2014

Lowellville, Mahoning County, March 10, 2014

Lowellville, Mahoning County, March 5, 2014

Offshore Lake Erie (Cuyahoga County, Ohio) January 28, 2014

North Olmsted, Cuyahoga County, January 20, 2014

Nelsonville, Athens County, November 20, 2013

US-Canadian Border, Lake County, November 16, 2013

Youngstown, Mahoning County, November 12, 2013

Darbyville, Pickaway County, October 21, 2013

Shoreline Lake Erie, Lake County, October 06, 2013

5 Events: Freeport, Harrison County, October 2 & 5, 2013

Northern Kentucky, South of Brown County, Ohio, July 23, 2013

Northern Kentucky, South of Brown County, Ohio, July 18, 2013

Offshore Lake Erie, (Lake County, Ohio) July 1, 2013

Pomeroy, Meigs County, May 10, 2013

Crown City, Eastern Gallia County, March 27, 2013

Rock Creek, Southern Ashtabula County, March 17, 2013

Offshore Lake Erie (Lake County, Ohio), March 08, 2013

Rutland, Meigs County, December 01, 2012

Marietta, Washington County, September 18, 2012

Lake Erie, Lucas County, September 7, 2012

Marietta, Washington County, May 29, 2012

Youngstown, Mahoning County, January 13, 2012

Youngstown, Mahoning County, December 31, 2011

Youngstown, Mahoning County, December 24, 2011

Youngstown, Mahoning County, November 25, 2011

Youngstown, Mahoning County, October 20, 2011

Youngstown, Mahoning County, September 30, 2011

Youngstown, Mahoning County, September 26, 2011

Marietta, Washington County, September 04, 2011

Youngstown, Mahoning County, September 02, 2011

Marietta, Washington County, August 31, 2011

Marietta, Washington County, August 31, 2011

Youngstown, Mahoning County, August 25, 2011

Virginia, August 23, 2011

Youngstown, Mahoning County, August 22, 2011

Offshore Lake Erie, Ohio-Canada Border Region, August 13, 2011

Offshore Lake Erie (Cuyahoga County, Ohio), June 15, 2011

Lodi, Medina County, Ohio, June 5, 2011

Delaware Township, Hancock County, April 26, 2011

Youngstown, Mahoning County, March 17, 2011 (10:53)

Youngstown, Mahoning County, March 17, 2011 (10:42)

Shale Maps & Data

Browse Latest
Marcellus &
Utica Files
GO to shale >



Interactive Maps

Oil & Gas, Lake Erosion, Mines, Quakes GO to maps)



Education

Guidebooks, Leaflets, Activity Guides GO to education



Pubs, Maps & Data

Maps, Reports,
Digital Data,
GIS CDs
GO to pubs >



Ohio Department of QUICK LINKS LATEST TWEETS CONTACT INFO

NATURAL RESOURCES

Division of Geological Survey



Utica and Marcellus Shale Data

Interactive Maps

Downloadable Maps

Publications, Maps, Data

Earthquake Information

Educational Resources

Geologic Records Center

Economic Geology (Mineral Industries)

Geological Survey Main Office

2045 Morse Rd., Bldg. C-1

Columbus, OH 43229-6693

Phone: (614) 265-6576

Fax: (614) 447-1918

E-Mail Location Map

Earthquake Contacts

24 Hour Earthquake Reporting Hotline:

1-855-QuakeOH 1-855-(782-5364)

Quake Info Center:

Jeffrey Fox

Phone: (614) 265-6576 Fax: (614) 447-1918

E-mail Web Page

