# 2.6 Mag. Quake, Point Pleasant, WV - 2/17/2023

## M 2.6 - 7 km SE of Cheshire, Ohio



ISO	
USA	
Region	
West Virginia	
Country	
United States	
Nearby Places	
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Cheshire, Ohio, United States	
7.7 km (4.8 mi) NW	Population: 131
Athens, Ohio, United States	
47.7 km (29.6 mi) N	Population: 25044
Teays Valley, West Virginia, United States	
51.3 km (31.9 mi) S	Population: 13175
Parkersburg, West Virginia, United States	
57.8 km (35.9 m) NE	Population: 30991
Charleston, West Virginia, United States	
71 km (44.1 m) SSE	Population: 49736
Distance and direction from epicenter to nearby place.	

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### urring Earthquake Activity

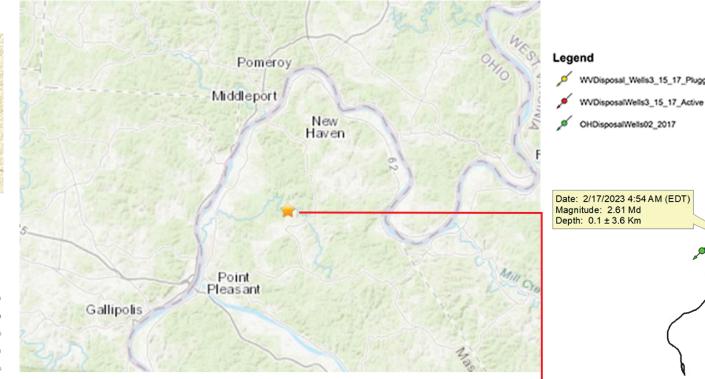
nic zone of eastern Quebec, in New England, in the New York - Philadelphia - Wilmington urban corridor, and el ears without an earthquake large enough to be felt, and several U.S. states have never reported a damaging earthqua

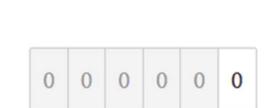
east of the Rocky Mountains, although less frequent than in the West, are typically felt over a much broader region than earthq itude in the west. East of the Rockies, an e a more than ten times larger than a similar te on the west coast. It would not be unusual for a magnitude 4.0 earth al North America to be felt by a age of the population in many communities more than 100 km (60 mi) from its source. A magnitude 5.5 earthquake in eastern or central North America might be felt by much of the population out ore than 500 km (300 mi) from its source. Earthquakes east of the Rockies that are centered in populated areas and large enough to cause damage are, similarly, likely to cause damage out to greater dis

ca east of the Rockies occur as faulting within bedrock, usually miles deep. Few earthquakes east of the Rockies, however, have been definitely linked to mapped geologic faults, ies such as California's San Andreas fault system, where scientists can nonly use geologic evidence to identify a fault that has produced a large earthquake and that is wely to produce large future earthquakes. Scientists who study eastern and central North America earthquakes often work from the hypothesis that modern earthquakes occur as the result of sip on preexisting fault that were formed in earlier geologic eras and that have been reactivated under the current stress conditions. The bedrock of Eastern North America is, however, laced with faults that were active in earlier geologi rras, and few of these faults are known to have been active in the current geologic era. In most areas east of the Rockies, the likelihood of future

As is the case elsewhere in the world, there is evidence that some central and eastern North America eartho crust sufficiently to induce faulting. Activities that have induced felt earthquakes in some geologic environments have included impoundment of water behind dams, injection of fluid into the earth's crust, extraction of fluid or gas, and removal of rock in mining or quarying operations. In much of eastern and contral North America, the number of earthquakes suspected of having been induced is much smaller than the number of natural earthquakes, but in some regions, such as the south-central states of the U.S., a significant majority of recent earthquakes are thought by many seismologists to have been human-induced. Even within areas and a sequence of the sequence activity and a particular sequence of earthquakes typically involves special studies devoted specifically to the question. Such investigations usually address the process by which the suspected triggering activity migh have significantly altered stresses in the bedrock at the earthquake source, and they commonly address the ways in which the characteristics of the significantly altered stresses in the bedrock at the earthquake source, and they commonly address the ways in which the characteristics of the significantly altered stresses in the bedrock at the earthquake source, and they commonly address the ways in which the characteristics of the significantly altered stresses in the bedrock at the earthquake source, and they commonly address the ways in which the characteristics of the significantly altered stresses in the bedrock at the earthquake source, and they commonly address the ways in which the characteristics of the significantly altered stresses in the bedrock at the earthquake source, and they commonly address the ways in which the characteristics of the significant stresses in the bedrock at the earthquake source, and they commonly address the ways in which the characteristics of the significant stresses at the significant st tics of natural earthquakes in the region

Small (2.6 Mag.), very shallow (0.1 Km) quake. Not reported in WV or OH.





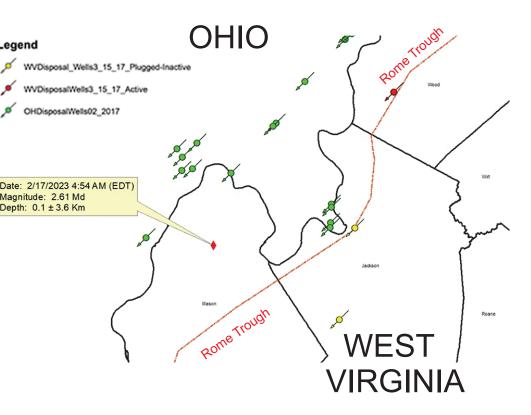
Felt Report - Tell Us!

Responses

Contribute to citizen science. Please tell us about your experience.

**Citizen Scientist Contributions** 

15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00



NOTE: Induced seismicity is probably not an issue here since nearest water injection well is about 10 miles away.

