

NESEC NEWS

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Suzanne Krauss Named Director of the Maine Emergency Management Agency



Suzanne Krauss, Director Maine Emergency Management Agency
ME GOV OFFICE PHOTO

AUGUSTA, ME - Governor Paul R. LePage's nominee for Director of the Maine Emergency Management Agency (MEMA), Suzanne J. M. Krauss, was recently confirmed by the Maine Senate.

A graduate of the U.S. Naval War College with a Master's Degree in National Security and Strategy Studies, Krauss has served in the United States Navy and Navy Reserve for 22 years. She has been involved broadly in emergency management and disaster relief since her first post-hurricane Search and Rescue mission in 1999 as a Navy helicopter pilot following Hurricane Floyd. As a Naval Officer, she has led successful and high-performance teams ranging from five Sailors to teams of 150 Sailors, Soldiers, Marines, Airmen, and civilians and has earned Commanding Officer appointments for three tours. She supported Naval Forces Europe, SIXTH Fleet, and Combatant Commander strategic priorities by providing airfield and port facilities security, force protection, logistical support, and emergency services to US and NATO forces.

As a Navy pilot, she has completed flying tours in the H-3 Sea King, the H-1 Huey, the C-130 Hercules, and the MQ-9 Reaper. Additionally, she was a qualified Mission Commander in the RQ-4

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Earthquake Shakes New Hampshire and Massachusetts

From WCVB TV Boston

EAST KINGSTON, NH (CBS/AP) – A minor earthquake was felt by some New Englanders Thursday morning.

[The United States Geological Survey said](#) there was a magnitude 2.7 earthquake epicentered in East Kingston, New Hampshire at about 9:30 a.m. Earlier, the agency's website said it was a magnitude 2.6 earthquake with an epicenter in Exeter.

The shaking was reported by people

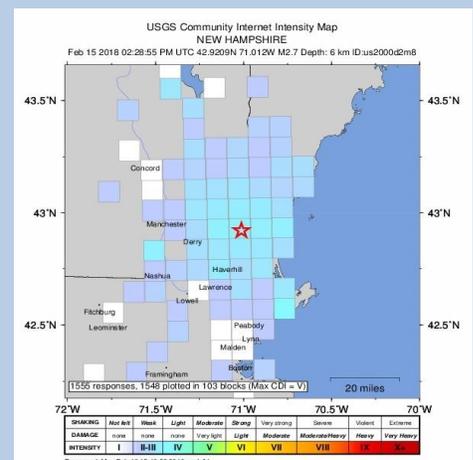
in southern New Hampshire and towns in Massachusetts including Newburyport, Amesbury, Salisbury and Tyngsboro.

One person in Salisbury [tweeted](#) that their "whole house shook."

The Massachusetts Emergency Management Agency said there were no immediate reports of damage or injuries.

John Ebel, a senior research scientist at Boston College's Weston Observatory,

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Did You Feel It Map

USGS

Bridge Mitigation Project Completed in Cambridge Vermont

CAMBRIDGE, VT - A recreational bridge in Cambridge that had been susceptible to elevated river levels and flooding has been replaced, thanks in part to the Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program (HMGP).

A study determined that the Cambridge Greenway/Railroad Bridge over the Brewster River was significantly undersized. The former bridge had a span of 52 feet and a low elevation of 454.1 feet. For reference, this was below the 100-year flood elevation of 460.57 feet and the 10-year flood elevation of 457.43 feet. As a result, the bridge was routinely impacted by flood waters.

The bridge has now been replaced with an adequately sized and proportioned bridge. The project involved removing the existing abutments and restoring the floodplain in the vicinity of the abutments. The longer and higher bridge span will allow passage of more water out of the village and reduce the constriction of the channel. Funding for the project came from the FEMA's Hazard Mitigation Grant Program through the Vermont Emergency Management



Elevated Bridge in Cambridge, VT

VDEM PHOTO

(VEM), the U.S. Department of Housing and Urban Development, Community Development Block Grant Disaster Recovery Program funded through the Agency of Commerce & Community Development, the Vermont Agency of Natural Resources and the town of Cambridge.

This is an excellent example of how combining various funding streams can be used to implement a successful mitigation project that can save money and disruption when future flooding occurs along the Brewster River.

VEM is now accepting grant applications for hazard mitigation projects. For more information on these grant programs, project types, eligibility requirements and timeframes/deadlines, please visit <https://vem.vermont.gov/funding/mitigation>

Delaware Earthquake Felt in Southern New England

WAKEFIELD, MA - Shaking was felt as far away as Southern New England to Washington, D.C. from a Magnitude 4.1 earthquake that struck northeast of Dover, Delaware on November 30, 2017.

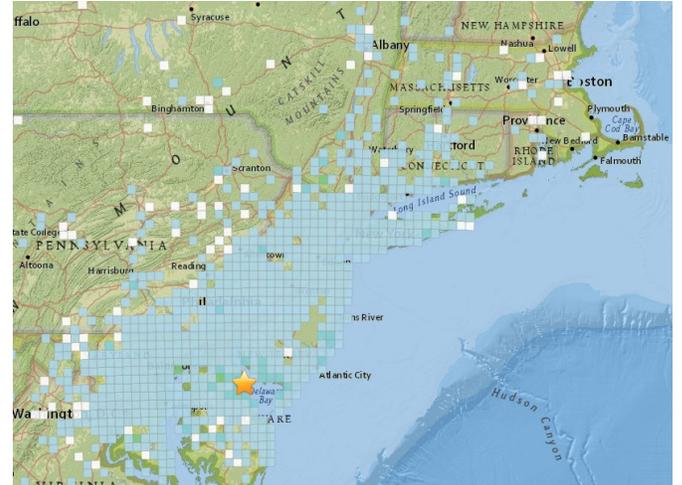
The [United States Geological Survey said](#) the epicenter was located near the coast of Delaware Bay, approximately 6 miles northeast of Dover.

Reports on the USGS website indicated shaking felt from parts of Massachusetts, Connecticut and Rhode Island through New York and New Jersey and south to Washington, DC and Virginia.

The last significant and damaging earthquake to hit the US East Coast was in 2011, when a 5.8 magnitude earthquake struck in Mineral, Virginia about 90 miles southwest of Washington DC, with shaking felt across much of the East Coast including here in New England.

That quake caused significant damage to a Louisa County High School in Mineral Virginia and to the Washington Monument - forcing its closure for over a year.

While East Coast earthquakes are infrequent events,



Felt Reports from the November 30th Delaware Earthquake
USGS MAP

they are high-risk because many buildings are not designed to withstand strong shaking.

Moreover, these recent earthquakes illustrate how widely earthquakes are felt in the eastern US. This means that earthquakes in the northeast have a potential for causing damage at much greater distances from the epicenter than the same sized earthquake in California.

For additional information on Earthquakes in the New England and the Northeast visit the NESEC Earthquake Hazards Webpage at: <http://nsec.org/earthquakes-hazards/>

Costliest U.S. Tropical Cyclones Tables Updated



MIAMI, FL - NOAA's National Centers for Environmental Information (NCEI) in consultation with the National Hurricane Center (NHC) has updated the listing of costliest tropical cyclones to strike the United States. This listing was previously found in the NOAA memorandum *The Deadliest, Costliest and Most Intense U.S. Tropical Cyclones*.

The new tables list 41 tropical cyclones from 1900 to 2017 that caused at least 1 Billion Dollars in damage on the US mainland, Hawaii and territories. The first of the two tables is not adjusted for inflation,

while the second table accounts for inflation to 2017 dollars.

For all US hurricanes, Katrina (2005) is the costliest storm on record. If we look at the 41 hurricanes that for the period 1900 to 2017 seven of the costliest storms that have affected the Northeast. When adjusted for inflation to 2017, the seven storms rank from the 4th costliest storm Sandy (2012), to Hurricane Donna (1960) at number 38. See the abbreviated table below for the ranking of other tropical cyclones that have impacted the Northeast US.

To view the complete report and ranking tables visit <https://www.nhc.noaa.gov/news/UpdatedCostliest.pdf>

RANK	TROPICAL CYCLONE	YEAR	CATEGORY	DAMAGE (U.S.)
4	SANDY (Mid-Atlantic & NE US)	2012	1	\$70,200,000,000
12	IRENE (Mid-Atlantic & NE US)	2011	1	\$14,985,000,000
15	AGNES (FL/NE U.S.)	1972	1	\$12,516,000,000
21	FLOYD (Mid-Atlantic & NE U.S.)	1999	2	\$9,620,000,000
32	LONG ISLAND EXPRESS (NE US)	1938	3	\$5,279,000,000
34	CAROL (NE US)	1954	3	\$4,198,000,000
38	DONNA (FL, Eastern US)	1960	4	\$3,235,000,000

Krauss Named Maine Director

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Global Hawk. She has extensive operational experience in Joint Operations Centers where she operated two experimental or in-development global UAV platforms and led expeditionary maritime forces in support of national theater objectives.

Experienced in leadership, strategic communication and organizational risk management, she has earned several awards and medals, including the Navy's Meritorious Service Medal, two Life Saving/Rescue Awards from Bell Helicopter and Sikorsky Helicopter and awards for Best Proactive Media Relations program in the Navy and for excellence in the strategic communication plan for the closure of the Brunswick Naval Air Station.

Most recently, Krauss worked as director of strategy and change management at Custom Composite Technologies in Bath and as business relations coordinator and airport operations coordinator at Midcoast Regional Development Authority in Brunswick.

Please join us in congratulating Director Krauss on her appointment as Director of the Maine Emergency Management Agency and welcoming her to the NESEC Board of Directors.

Earthquake Shakes NH and MA

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says people near the epicenter would probably have heard a loud boom, while people farther away would hear a rumbling and some ground shaking, maybe window rattling. But, he says, "it was way below the threshold for damage."

WBZ-TV Meteorologist Pamela Gardner tracked the quake. She says Southern New Hampshire and Maine are the most frequent areas for earthquakes in New England, averaging at six a year.

"With this particular earthquake, it was number four so far since January 1, which means we're getting close to that average. Could we be done for the year? Possibly. But there could be more," Gardner said.

The USGS highlights [two main reasons](#) why people in the eastern U.S. should be concerned about earthquakes. The first is that even though the frequency of earthquakes is less than the west coast, there is a history of damaging earthquakes, the most notable being the 1755 Cape Ann, MA earthquake. The second reason is that groundshaking affects a wider area on the east coast than the west, when traveling through the older bedrock of the east coast. For more information on the earthquake history of the northeast and to learn what you can do if one occurs, please visit <https://nsec.org/earthquakes-hazards/>

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