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Spotlight

Upcoming National User Group Calls:

- December 9, 2014
- January 13, 2015
- February 10, 2015

Due to coincidence with Veterans Day, there will not be a November National User Group Call

Sign up for [GovDelivery](#) emails to learn more about Hazus User Groups

Region VIII Partners with the National Park Service to Model Earthquake Impacts on Wyoming Parks Using Hazus

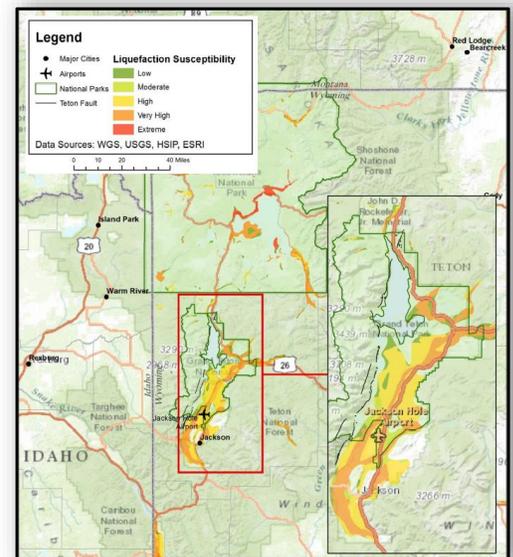
On September 18, 2014, the FEMA Region VIII Mitigation GIS Team joined the National Park Service and the State of Wyoming in a table top exercise to examine the potential impacts of seismic events in the area around Yellowstone National Park and Grand Teton National Park. The two parks are among the busiest in the United States, with Yellowstone seeing more than 3.1 million visitors a year and Grand Teton in excess of 2.6 million.

The exercise examined the potential impacts of a magnitude 7.2 earthquake at the Teton Fault in July, the month that sees the highest number of visitors, including overnight visitors, to both parks. The analysis examined potential impacts to critical facilities, airports, roads and bridges. The Mitigation GIS Team produced maps showing these impacts, as well as ground motion and liquefaction susceptibility.

The exercise demonstrated that while damage to the parks themselves might not be severe, given the scarcity of structures, impacts to the tourist population would be considerable. Injuries for the Teton County area were estimated to be in the 130-180 range.

An event like the one modeled would have the potential to disable the airports in the area, potentially making evacuation of visitors impossible in the days immediately following the event. Evacuation would be further inhibited by damage to the roads and bridges out of the park.

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A map produced as part of the exercise, which shows liquefaction susceptibility of the two parks.

Hazus Modernization Update

The July 2014 issue of this newsletter introduced the much anticipated Hazus Modernization effort. This effort to update Hazus involves three new releases. The first will make Hazus compatible with Windows 7 (32-bit and 64-bit), Windows 8 (64-bit) and ArcGIS 10.2.2. The second involves functional upgrades to the flood module, and the third will update outdated code found in the flood module and the underlying database structures.

The first release, titled Hazus-MH 2.2, is currently being tested and is scheduled for a late 2014 release. As a full new release, rather than a service pack like many recent updates, any earlier installations

of the Hazus-MH software will have to be uninstalled before Hazus-MH 2.2 can be installed.

Also on the horizon for Hazus is the release of 2010 US Census data, currently planned for release with Hazus-MH 2.2. It will support the use of project files (.hpr files) created in Hazus-MH 2.1, so long as the same base census data (2000) is utilized.

For the latest information about the Hazus-2.2 and the 2010 census data, be sure to subscribe to [GovDelivery](#), Hazus email lists.

Upcoming Training

E0317: Comprehensive Data Management for Hazus-MH
January 5-8, 2015

E0174: Hazus-MH for Earthquake
March 30-April 2, 2015

E0313: Basic Hazus-MH
April 13-16, 2015

To download the course schedule and enroll, visit <http://training.fema.gov/EMICourses/>. For updated training information visit <http://www.fema.gov/hazus-training>.

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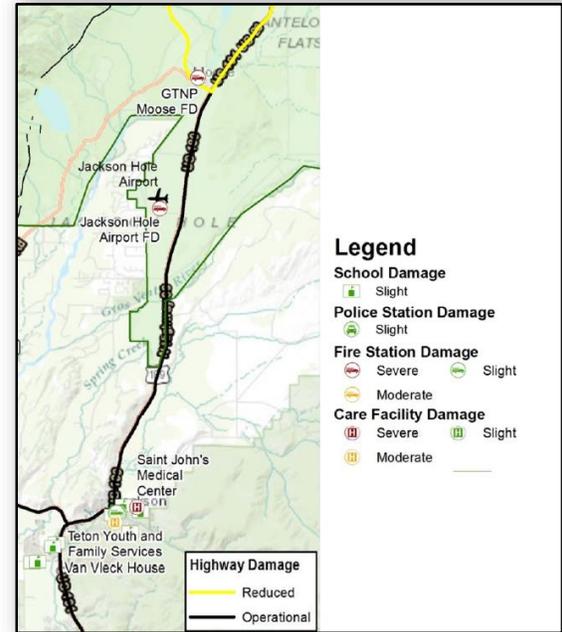


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National Parks, cont.

The analysis also showed that the two area hospitals would likely have at least moderate damage and would be significantly impaired on the day of the event. Likewise, several fire stations would experience reduced functionality as a result of damages incurred.

The exercise helped to spark discussions around impacts to transportation corridors near the parks and visitor evacuation options in the event of a major quake. Moving forward, a follow up exercise is planned to further examine impacts and refine the modeling by including a number of unaccounted for historic lodges and hotels, as well as factoring in heightened building standards of fire stations built to resist seismic damages. A structure by structure analysis using the Advanced Engineering Building Module (AEBM) is also planned.



A map produced to show potential damage to critical facilities around the parks.

Transportation Focused Hazus User Group, TSHUG

Reflecting the continued expansion of applications for Hazus, the Hazus Program Manager, Eric Berman, and 2014 Hazus User of the Year Silvana Croope announced the formation of a new Hazus User Group (HUG) at the 2014 Hazus Conference in Indianapolis. The group is focused on issues related to transportation infrastructure and transportation planning using Hazus-MH.

Croope, who works with the Delaware Department of Transportation and delivered a presentation titled 'Inclusion of Transportation Assets in Hazus Debris and Damage Assessment' at the Hazus Conference, is presently encouraging collaboration and discussion on a [LinkedIn page](#) set up to help the group connect. Thomas Gates, with the Florida Department of Transportation, joined the effort and represented the group at the recent International Highway Engineering

Exchange Program (IHEEP) Conference in New Orleans.

The formation of this HUG represents the creation of a second group which is not location specific, the first being the Hazus Higher Education Resources Consortium ([HERC](#)) which is also involved with the TSHUG.

Anyone is welcome to join the group and contribute to the discussion. A conference call is planned for December 2014, with the exact date and call-in information to be made available through the LinkedIn page.



Closing Notes!

User involvement and input is critical to the continued success of the Hazus Program. If you have a suggestion for future articles in The HotZone, or for presentations on the monthly National Hazus User Group Call, please reach out to hazus@arcaspicio.com. Additionally, if you know of someone who is doing great work with Hazus or in support of the Hazus community, nominate them for a Hazus Excellence Award at the same email address, so that their work can be recognized!