

Nevada Seismological Laboratory
University of Nevada Reno
<http://www.seismo.unr.edu>

Press Release

Date: April 15, 2008 1:20 PM PDT

Earthquake Report: West Reno Mogul-Somerset and Alamo, NV

Continuing a series of earthquakes that began on Thursday February 28, 2008 near Mogul, Nevada, Magnitude 2.9 (Monday April 14, 2008, 5:27 PM PDT) and Magnitude 3.4 (Tuesday April 15, 2008, 7:59 AM PDT) felt earthquakes have occurred in the same West Reno area. The Magnitude 3.4 event today, Tuesday the 15th, is the largest event of the Mogul-Somerset sequence to date. The preliminary event location determined by the Nevada Seismological Laboratory (NSL) and reported to the U.S. Geological Survey for the Magnitude 3.4 earthquake this morning is - Latitude: 39.5340N; Longitude: 119.9348W; Depth 2.0 km (1.2 miles). Today's Magnitude 3.4 earthquake has been followed by at least seven aftershocks larger than Magnitude 1.0. At this time the largest aftershock of today's earthquake had been a Magnitude 2.4 event at 11:32 AM PDT.

Additionally, the NSL reports Magnitude 3.3 (Monday April 14, 2008, 7:26 PM PDT) and Magnitude 3.1 (Tuesday April 15, 2008, 6:38 AM PDT) earthquakes located approximately 20 km south of Alamo, Nevada. The preliminary event location for the Magnitude 3.3 earthquake on Monday the 14th near Alamo is - Latitude: 37.2040N; Longitude 115.0463W; Depth: 3.3 km (2.1 miles). These events have also been followed by a number of aftershocks. There have been no felt reports.

Small magnitude events have been occurring in the Mogul-Somerset area in West Reno since the recent sequence began in February. Due to the number of seismograph stations in the Reno area, the Mogul-Somerset earthquake sequence can be monitored in detail; only a small number of the recorded earthquakes have been felt by west Reno residents.

Following any sequence of earthquakes similar to what has been observed in the west Reno area over the past month and a half, there is a small increase in the probability of larger magnitude events, and the persistence of this particular earthquake sequence slightly increases this probability for a significant earthquake in West Reno. However, the occurrence of additional earthquake activity in the Mogul area cannot be predicted or forecast. Nevada citizens are urged to always be prepared for strong ground shaking from earthquakes at anytime; Nevada is the third most active state for earthquake activity in the United States and large earthquakes may occur anywhere in the State. For

information on earthquake preparedness visit the Nevada Seismological web site at <http://www.seismo.unr.edu>.

Additional links for earthquake preparedness information:

<http://earthquake.usgs.gov/learning/preparedness.php> U.S. Geological Survey

<http://quake.usgs.gov/prepare/prepare.html> U.S. Geological Survey

The data reported here has been reviewed. For more information, contact the Nevada Seismological Laboratory, (775) 784-4975. The Nevada Seismological Laboratory continues to monitor the earthquakes activity in the Mogul-Somerset area using a number of portable seismographs deployed at local residences.

The Nevada Seismological Laboratory is the lead agency for monitoring earthquakes in the western Great Basin, and part of the nationwide monitoring program with primary support from the U.S. Geological Survey.