2015 AGU Fall Meeting
Landslide Hazards highlights

Wednesday, December 16

Landslides Not Found Where Expected
U33A-07 Landslide Distribution Resulting from the 2015 Gorkha, Nepal Earthquake Sequence
Brian Collins, 3:10 PM - 3:25 PM Moscone South - 102
While the 2015 Gorkha, Nepal earthquake sequence triggered abundant landslides near the major earthquake epicenters, landslides were not observed in many steep areas of the country where they would be expected. The author will describe some of the conditions that could help explain the landslide distribution and where hazards are most likely from similar future earthquakes in central Nepal.

Thursday, December 17

Landslides in Rugged Nepal
NH43D-02 Field-based Assessment of Landslide Hazards Resulting from the 2015 Gorkha, Nepal Earthquake Sequence
Brian Collins, 1:55 PM – 2:10 PM Moscone South - 309
Field-based assessment of landslide hazards resulting from the 2015 Gorkha, Nepal earthquake sequence
The M7.8 2015 Gorkha, Nepal earthquake sequence triggered thousands of landslides in the steep Himalaya of Nepal and China that caused hundreds of fatalities and blocked vital roads, trails, and rivers. The USGS flew helicopter reconnaissance over about 8,000 square kilometers, made 17 site-specific assessments, and further identified and assessed 74 river-blocking landslide dams. The author will describe these assessments, which are available online with more than 11 hours of helicopter-based video for use by in-country and international agencies.

Friday, December 18

Erosion of the Oso
Scott Anderson, 5:30 PM - 5:45 PM Moscone West - 2003
The author will show the rapid erosion of a landslide dam deposited during the March 22, 2014, Oso landslide in northwestern Washington State.

Limits of Prediction
EP51D-01 Physical Limits on the Predictability of Erosion and Sediment Transport by Landslides and Debris Flows
Richard Iverson, 08:00 AM - 08:15 AM Moscone West - 2005
The author will discuss why it is difficult to predict the quantity, speed, distance of sediment transport, and the consequent hazards of landslides and debris flows.