

CH2MHILL TELEPHONE COMMUNICATION FORM

Call To: Steve Obermeier

Phone No.: (812) 649-4474

Date: July 28, 2006

Call From: Kathryn Hanson

Time: 2:50 pm (CDT)

Message

Taken By: Kathryn Hanson

Subject: Recent Paleoseismic Research in the Central Virginia Seismic Zone

Paleoliquefaction--Based on paleoliquefaction studies, Obermeier originally concluded that there was no evidence of earthquakes of magnitude 7.0 or greater in Holocene. Rus Wheeler reached a similar conclusion based on an analysis of the historical earthquake data.

LiDAR Lineament-- Rob Weems (USGS) and S. Obermier excavated and logged two exploratory trenches across the lineament approximately 1 year ago. There was possible evidence for deformation of gravels (aligned) in one trench. However, in the second trench, there was no evidence of deformation. The results of this preliminary trenching effort therefore were judged to be equivocal, and additional work would be needed to better evaluate evidence for recent faulting.