

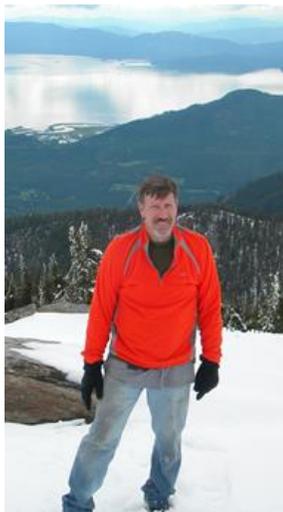
Maryland-Delaware-District of Columbia  
Water Science Center  
Seminar Series

**Wednesday, October 29, 2014 11:00 a.m.**

## 3D Elevation Program (3DEP)

### *How to search for and acquire lidar data*

Presented by **Roger Barlow**, USGS National Geospatial Program,  
Geospatial Liaison for District of Columbia, Delaware, Maryland, New Jersey, and Chesapeake Bay



Roger Barlow will explain the 3DEP program goals, lidar data acquisition process, and how or where to obtain existing lidar data using the US Interagency Elevation Inventory, and metadata. Evaluation of lidar specifications will be explained so that data users can examine metadata and decide if a dataset is suitable for their application. Status of elevation data in the District of Columbia, Delaware, and Maryland will be shown and discussed. Differences between existing lidar data in terms of age and specification will be revealed, as will limitations of airborne versus ground-based data. Open discussion with attendees can be used to discuss potential applications for high-resolution lidar data on current or proposed projects.

Roger has been involved with the cooperative spatial data coordination starting in 1990, and has been the Geospatial Liaison to Maryland since 2000. He co-authored the first USGS imaged based Geologic Map of Cape Cod in 1986, and wintered over (lived for a year) at Amundsen-Scott South Pole Station 1991-1992. He has a small geographic feature named after him in Antarctica, and he's not even dead! Roger has been involved with the coordination for much of the current lidar coverage in Maryland, and all of Delaware.



Lidar provides information on slope, aspect, surface relief, breaklines, and accurate vertical elevation measurement more efficiently than ground surveys, especially useful for remote areas, large areas, and areas of high relief.

#### Resources:

The 3D Elevation Program—Summary for Maryland <http://pubs.usgs.gov/fs/2014/3005/>

The 3D Elevation Program—Summary of Program Direction <http://pubs.usgs.gov/fs/2012/3089/pdf/fs2012-3089.pdf>

*This presentation will also be available remotely via Webex: <https://usgs.webex.com/>*

For directions to the USGS MD-DE-DC WSC: <http://md.water.usgs.gov/directions/baltimore.html>.