

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

**Tuesday, December 15, 2015 at 11:00 a.m.**

**Measuring Concentrations of Dissolved Natural Gas in Pennsylvania Streams to Estimate Methane Fluxes from the Subsurface**

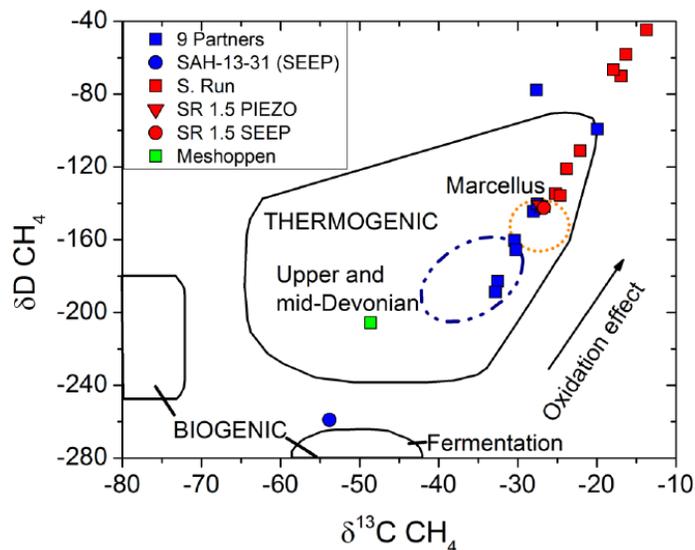
**Paul Grieve**, Hydrologic Technician, USGS Water Science Center, Baltimore, Maryland



The rapid pace of Marcellus Shale gas development in the northeastern United States has driven the need for increased monitoring of water resources. A newly developed technique targets the monitoring of methane from gaining streams during base flow to estimate methane concentrations and fluxes from groundwater. Samples were collected for isotopic analysis to characterize the source of methane as naturally migrating gas or connected to industrial activities in the area.

**About Paul:**

Paul started working for the USGS in June as a Hydrologic Technician after a brief stint with AECOM as a Geologist. Paul holds a B.S. in Environmental Geosciences from Michigan State University and a M.S. in Geochemistry from the Pennsylvania State University.



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>.