

Please register by **April 21, 2010** with the
Columbia Land Conservancy

Name: _____

Address: _____

Email: _____

Municipality: _____

Official Position: _____

Phone: _____

Credit Card Type: _____ Amt.: \$ _____

(We're sorry we cannot accept American Express)

Number: _____

Expiration: _____ CVV Code: _____

Name as it appears on card:

Billing Address: _____

Signature: _____

Or make checks payable to: Columbia Land Conservancy
and return this registration form with payment to:

Mail:

Ellen Jouret-Epstein, ASLA
Columbia Land Conservancy
49 Main Street, PO Box 299
Chatham, NY 12037

E-mail: ellen@clctrust.org

Phone: 518.392.5252 ext. 208 Fax: 518.392.3099

New York State law now requires that all
planning board and zoning board of appeals
members receive four hours of training each year.

For directions and a campus map, consult the college website:
<http://www.sunygcc.edu/images/maps/map3.jpg>



**COLUMBIA
LAND CONSERVANCY**
PO BOX 299 | 49 MAIN STREET
CHATHAM, NEW YORK 12037
518 392 5252 www.clctrust.org



**Columbia County
Planning and Economic
Development**

401 State Street
Hudson, NY 12534

Phone: 518-828-3375

Fax: 518-828-2825

Email: perry@govt.co.columbia.ny.us

**Columbia Land Conservancy
Columbia County Planning Board
and the
Columbia County Environmental
Management Council**

Invite you to

**GROUNDWATER
RESOURCES and
LOCAL PLANNING in
COLUMBIA COUNTY**

**Wednesday, April 28, 2010
5:00 PM TO 7:00 PM**

\$10 Registration Fee

Self-certification forms will be provided for 2.0
credit hours of land-use training for municipal
boards. Credit will be awarded at the discretion of
each municipality.

**COLUMBIA-GREENE
COMMUNITY COLLEGE
Main Building
Room # 206
4400 Route 23
Hudson, New York**

GROUNDWATER RESOURCES and LOCAL PLANNING in COLUMBIA COUNTY

PROGRAM

Local communities play a central role in protecting the quantity and quality of groundwater resources through their authority to develop and implement their comprehensive plans. Whether a community is looking to encourage or limit new residential or commercial development, the availability and vulnerability of groundwater resources is a major consideration during project reviews.

Steve Winkley of the New York Rural Water Association (NYRWA) has worked with eight towns and three villages across Columbia County to provide information on their local groundwater resources and technical assistance on how best to protect them. Steve's acquired knowledge about the varied groundwater settings in the county and the associated water quantity and quality issues will be of interest and value to all municipalities. He will also

PRESENTERS

Steve Winkley is New York Rural Water Association's Source Water Protection Specialist. For the past 15 years he has assisted communities and water systems to protect their drinking water sources. Steve is a hydrogeologist with a B.S. degree in geology from Rensselaer Polytechnic Institute and a M.S. degree in hydrogeology from Syracuse University. His Master's thesis involved a comprehensive study of the hydrogeology of Onondaga County. Prior to working with NYRWA, Steve worked for engineering consulting firms in groundwater resource development and contaminant migration investigation. Email: winkley@nyruralwater.org.

Russell Urban-Mead is a hydrogeologist and the Water Resource Director at The Chazen Companies. He manages a regional groundwater monitoring and stream gauge program for Dutchess County and has calibrated precise aquifer recharge rates using stream flow records and local soil types. Russell also worked with six municipalities to develop a common aquifer protection ordinance and has identified sustainable septic densities. He installs wellfields for communities and private sector clients and directs brownfield remediation projects. Russell received his Bachelor's degree in geology from Carleton College and his Masters degree in geology from Rensselaer Polytechnic Institute, and has taught at Marist and Dutchess Community colleges. He has worked with The Chazen Companies for 15 years. Examples of his work are available for review at www.russellurban-mead.com.

discuss groundwater planning tools including zoning overlays, minimum lot sizes/densities, subdivision and site plan standards, education and testing and open space preservation planning.

Russell Urban-Mead has worked extensively on groundwater issues and development standards, particularly in Dutchess County. He will speak about his work helping six municipalities craft an intermunicipal aquifer ordinance, and his work with Dutchess County to establish a countywide groundwater status monitoring program. Russell will also discuss the SEQR review process and the appropriate level of review that planning boards should apply when reviewing projects that require new wellfields. He will present collected data showing the effects of septic system density on domestic well water quality.

This program is designed for elected officials including town and village boards, municipal staff, planning boards and zoning boards of appeal, comprehensive plan committees, and conservation advisory councils
