

# What is an Amoozometer?



The Compact Constant Head Permeameter, also known as the **Amoozometer**, is a revolutionary piece of field equipment that provides the means to collect data for determining in situ saturated hydraulic conductivity (Ksat) of the vadose (unsaturated) zone easily and conveniently. The procedure is known as: Constant Head Well Permeameter Technique, Shallow Well Pump-in Method, or Borehole Infiltration Test. The method has been described in detail in three of the Soil Science Society of America Monographs, including the second edition of the Methods of Soil Analysis.

*(from www.ksatinc.com).*



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# Merrimack County Conservation District



## Topic:

Measuring Water  
Movement in Soil Via a  
Compact Constant Head  
Permeameter

October 30, 2009  
9:00 a.m. to 4:15 p.m.

Epsom Fire Station  
Function Room (Upstairs)  
Epsom, NH

# Measuring Water Movement in Soil Via a Compact Constant Head Permeameter

## Agenda

- 9:00 Introduction  
Topics include: NH soils and WebSoil Survey  
Presenter: Karen Dudley, NRCS
- 9:30 Alteration of Terrain  
Topics include: infiltration testing, soil mapping, stormwater treatment technologies, channel and flood protection, groundwater recharge and permitting requirements.  
Presenter: Amy C. Clark, PE, NHDES Alteration of Terrain Program
- 10:30 Break
- 10:45 Introduction to the Compact Constant Head Permeameter (a.k.a. Amoozemeter).  
An introduction to the data, how to collect it, and how to interpret it.  
Presenter: Karen Dudley, NRCS
- 11:30 Lunch and Travel to Yeaton Dairy Farm for Field Work
- 12:15 Amoozemeter Field Work  
Presenter: Karen Dudley

## *Agenda (cont'd)*

- 3:30 Data Overview  
Participants will return to the classroom to analyze and interpret the data they collected in the field.
- 4:00 Wrap-up  
Final questions



# Registration Form

**Please return form by October 23<sup>rd</sup>**

Make check payable to:

**Merrimack CCD**

The Concord Center  
10 Ferry Street, Suite 211  
Concord, NH 03301-5081

**\$30.00 per person.**

**Bring your own bagged lunch. Coffee and donuts will be provided in the morning.**

**A reminder e-mail or letter with directions will be sent to you the week before the workshop.**

**Name:** \_\_\_\_\_

**Affiliation:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_

**State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**E-Mail:** \_\_\_\_\_

**If you have questions:**

Please call us at 223-6023, or e-mail [info@merrimackccd.org](mailto:info@merrimackccd.org), or visit our website at [www.merrimackccd.org](http://www.merrimackccd.org) or drop by the office during normal business hours.