

***High Intensity Soil Mapping in complex, glaciated landscapes
and
Site Evaluator Soil Pit Classification
and
Wetland Delineation in pit & mound microtopography, alluvial/riverine plains, and
disturbed logging areas, with the 2011 US ACOE wetland determination data forms
at the***

**UNIVERSITY OF MAINE FOREST on the PENOBSCOT RIVER'S floodplain,
terrace, marine plain, and adjacent till-mantled lowlands
on
THURSDAY, SEPTEMBER 1, 2011 [9:00 am to 3:30 pm]**

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- Sponsored by The Maine Association of Professional Soil Scientists, the Natural Resource Conservation Service, University of Maine Forests, the Maine Association of Wetland Scientists, and the Maine Association of Site Evaluators
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Soil Mapping Section: Soil scientists will be complete a Class L to Class B High Intensity Soil Survey, using excavator dug soil pits with accompanying NRCS pedon descriptions, a base map with 2 foot topo, color orthophoto, and their own soil auger test holes as needed. The focus is on delineating soil map units in diverse parent materials and drainage classes in a dynamic, glaciated landscape. The focus area presents soils developed in lodgement till, alluvium, colluvium, sandy outwash, and aeolian/lacustrine/marine sediments.

Wetland Delineation Section: Soil and wetland scientists will examine and accurately delineate 3 challenging wetlands using measurements along tapes in: 1) A riverine floodplain with both hydric and non-hydric soils and a challenging "Normal High Water Line" for Shoreland Zoning determinations; 2) An area of forested pit & mound microtopography, and, 3) A forested, logging-disturbed wetland currently in forest management. At this site you will complete US ACOE 2011 data forms, with a botanist stationed for plant taxa keying assistance.

Site Evaluator Section: Site evaluators will have an opportunity to describe a number of soil pits in differing parent materials and drainage classes using the newly adopted "Key For determining Depth To The Seasonal Groundwater Table" and the Munsell Color chart and then compare their results with those of an expert panel. Some of the soil pit locations will also have overall site suitability issues and setback issues which will provide for interesting discussion with the station monitors.

Code Enforcement Officer Section: Several portions of this day-long workshop are particularly relevant to CEO permitting issues in both small rural towns and larger cities in Maine. With the advent of cluster development land use ordinances, the importance of understanding how protected natural resources and other site constraints can affect land use planning is critical.

Afternoon Discussion: Regulatory staff from MDEP, LURC, and US ACOE will join the panel discussion group that will review participants' completed soils maps compared to a master map; the challenges facing soil scientists in developing high intensity soil maps in glaciated New England; review of wetland and Shoreland Zone delineations; comparison of participants' data forms with a master set; review of the site evaluator soil pit classifications, and the overall suitability of specific sites and setback issues particularly at the floodplain wetland station.

High Intensity Soil Mapping and Site Evaluator Soil Pit Classification and Wetland Delineation Workshop

UNIVERSITY OF MAINE FOREST, COLLEGE AVENUE EXTENSION, ORONO, MAINE

THURSDAY, SEPTEMBER 1, 2011

AGENDA

8:30 – 9:00 am

Check-in / Registration
Pick up handouts including site map
Location: Maintenance building parking lot
College Avenue Extension

9:00 am – 1:30 pm

Visit Field Sites: Participants have the choice of one or more focus areas; soil mapping, wetland delineation with shoreland zoning issues, site evaluator soil pit evaluation and setback issues. (Some sites are used for more than one focus area). Sites were chosen to include problem/gray area as well as standard conditions. Monitors will be present at each of the sites to assist with evaluations/determinations and answer questions.

2:00 – 3:30 pm

Afternoon Discussion: Workshop wrap-up discussion. Section leaders Lee Burman (wetlands), Chris Dorion (soil mapping) and Dave Rocque and Amy Jones (site evaluation) will lead discussion on each of the sections. Representatives from the Maine Department of Environmental Protection, Maine Land Use Regulatory Commission, and U.S. Army Corps of Engineers will provide Agency perspectives.
Location: Maintenance building parking lot
College Avenue Extension

DIRECTIONS:

From Interstate 95: Take Exit 193, Stillwater Avenue, Orono/ Old Town. If coming northbound, turn right onto Stillwater Avenue. If coming southbound, turn left onto Stillwater Avenue. After approximately 0.9 miles, turn left at light onto College Avenue Extension. The UMaine Forestry Maintenance area will be on the right after 0.5 miles.
Registration

OTHER DETAILS:

Lunch is on your own. There are numerous options 10-15 minutes from the workshop site.

Snacks and beverage will be provided during the afternoon discussion.

Carpooling is encouraged!

Continuing education units (CEUs) are pending for: New Hampshire Certified Wetland and Soil Scientists, Maine Licensed Site Evaluators and Maine CEO/LPI Recertification.

Certificates of participation will be available at the conclusion of the afternoon discussion.

Questions/comments/ideas? Contact: Johanna Szillery, jszillery@swcole.com, 207-848-5714
Amy Jones, jonesamyn@yahoo.com, or 207-394-3065

***High Intensity Soil Mapping and Site Evaluator Soil Pit Classification and Wetland Delineation
Workshop***

UNIVERSITY OF MAINE FOREST, COLLEGE AVENUE EXTENSION, ORONO, MAINE

THURSDAY, SEPTEMBER 1, 2011

For planning purposes, we ask that you register by August 25.

The cost of the workshop is \$30.00 for MAPSS/MAWS/MASE members or associate members and \$45.00 for all others.

Please send your checks, payable to MAPSS, to:

Gary Fullerton
104 Mill Turn Road
Limington, Maine 04049-3141

Check www.mapss.org for background information and updates.

Continuing education credits are pending for New Hampshire Certified Wetland and Soil Scientists, Maine Licensed Site Evaluators and Maine CEO/LPI Recertification.

Registration for ***High Intensity Soil Mapping and Site Evaluator Soil Pit Classification and Wetland Delineation***

**UNIVERSITY OF MAINE FOREST
THURSDAY, SEPTEMBER 1, 2011**

Name(s): _____

Address: _____

Phone Number: _____ **E-mail:** _____

Number Attending Workshop: _____ **X \$30.00 =** _____

_____ **X \$45.00 =** _____ **Total:** _____

Check here if you are not a MAPSS member and you want the \$15.00 additional registration fee to be used for an associate membership in MAPSS.