GPS Has Something for Everyone

The Global Positioning System (GPS) may seem like a technology that only those born with a cell phone in their hand could understand, but it’s not as difficult to use as you might think.

GPS receivers use signals received from a network of satellites to calculate their location on Earth. Most mid-priced units ($200 - $1000) have a 10-15 ft. accuracy, while more expensive units can be accurate within one foot.

GPS is useful both for finding points (like trees or plot corners) and lines (like boundaries or skid trails) in the field that you’ve identified on a map, and for recording points and lines on a map that you’ve identified in the field. It’s also great for tracking down that deer stand before sunrise, and finding your way back to camp after sunset.

GPS units have many uses in the woods.

Transferring information back and forth from a map to the receiver is easiest when the map is on a computer, but you can also find the coordinates on a paper topographic map.

It can be a life-saver in an emergency: the ability to relay your coordinates to a dispatcher could greatly speed your recovery.

Stand corners recorded as waypoints will never be obscured by harvest operations and will not decay or change over time like traditional blazes and fence lines.

Many GPS units and software programs are able to calculate the area of a stand instantly.

GPS technology has come a long way since its first introduction. It is no longer just for the experts, and has a lot to offer everyone.

If you’d like hands-on training, check out our upcoming GPS workshops. See the calendar for details.

Green Card Core Offered Sept. 17

A sediment and erosion control plan is required for any forest harvest operation that will result in more than 5,000 sq. ft. (about 1/10 acre) of disturbed area or that includes a stream crossing of almost any type. Unless one operator takes full responsibility for implementing the entire operation, each individual operator must submit their own plan (for example, if there is a separate firewood operation). In order to submit a plan, operators must have taken the erosion and sediment control certification (green card) course.

This certification, along with training on logging aesthetics and spill management, will be offered on September 17. See the calendar for details.
The consequences if left untreated are severe, but heat-related illnesses cost almost nothing to prevent and treat in the early stages.

Don’t get Beat by the Heat

Dehydration, heat exhaustion, and heat stroke are three real threats to the health of loggers. There are warning signs, though, and if steps are taken early to cool down and drink up, most heat-related problems can be avoided.

Cramps are often the first warning, usually in the legs or belly. These are painful spasms in your muscles that happen when you lose electrolytes (salt).

If you continue to sweat without replacing fluids and salts, your body will continue to lose blood volume. This lowers blood pressure and quickens your pulse, as your body struggles to transport oxygen throughout your body without an adequate amount of blood. This can lead to dizziness, nausea, pale and clammy skin, and headache. This level of heat-related illness is called heat exhaustion.

Without rest and recovery, heat exhaustion can lead to heat stroke, which is a serious medical emergency that can cause permanent brain damage if not treated immediately. Heat stroke happens when the body doesn’t have enough water to function properly, vital organs begin to lose their supply of oxygen (shock), and your body temperature goes above 104°F. Call 911 if this happens. Remember that heat stroke affects brain function, and the victim may not realize how bad off he is.

The consequences if left untreated are severe, but heat-related illnesses cost almost nothing to prevent and treat in the early stages.

With the goal to rehydrate and to cool down your body, sip sports drinks with electrolytes or salt water (1 teaspoon per quart), move into the shade or air conditioning, turn on a fan, and apply ice to the neck, armpits, and groin.

Don’t drink anything with caffeine or alcohol, which are both diuretics that purge your body of water. You’ll know you’re back in good shape when urine is light-colored and your body temperature is back to normal.
Enhance Your LEADership Skills

The LEAD Maryland Foundation, Inc. develops leaders to work on agricultural and natural resources issues and in rural communities of Maryland. LEAD is now accepting applications for the next class of LEAD Fellows. LEAD Maryland classes are made up of 20-25 Fellows in each two-year program. Through the program, participants increase their skills, confidence and knowledge for the benefit of their industries and the communities in which they live and work. To date, 114 Fellows have completed the program.

LEAD seeks applicants who are farmers, growers, producers, loggers, and foresters, and applicants who are involved in related activities through other ventures. During 2009 and 2010, the LEAD Class VI will complete a series of multi-day seminars and participate in study tours in Washington, D.C. and internationally. Completed applications and required references are due by October 1, 2008. Applications are available through the web site: www.leadmaryland.org. For more information regarding the LEAD Maryland Foundation and application process, please contact Susan Harrison, executive director, 410-827-8056 ext 136, or leadmd@umd.edu.

"I've participated in numerous leadership development programs but none hold a candle to the LEAD Maryland program in terms of caliber of the overall experience and its lasting influence." — Dan Rider, Class IV Fellow (2005-2006)

Master Logger Public Directory

Master Loggers have the training and skills to provide high quality work to landowners in Maryland, Delaware, and beyond. Many landowners look for this type of additional qualification when choosing a logger to work on their land.

Up until now, there was no easy way for the public to find loggers with Master Logger status. The MD/DE Master Logger Directory will make the names and contact information of active Master Loggers available online and in a limited number of print copies.

If you are an active Master Logger and would NOT like your information to be included in the directory, please contact Nevin Dawson by August 31 (see reverse for contact information).

Renewable Energy and the Role of Forests

Maryland Forests Association Annual Meeting will host award-winning timberman and forest activist Bruce Vincent of Libby, Montana.

“America is ready for a new vision of conservation and environmental stewardship that is based upon hope instead of fear. In order to share this vision we must first reintroduce the American consumer to the processes and the people of production and then lead - not just fight - the discussion over our environment. Those who work at the ground level in implementing society’s framework for protecting the environment are positioned at the leading edge of the changes and challenges of this discussion. That edge provides exciting opportunities and hope.”

The meeting will also feature several other speakers with a focus on renewable energy. See calendar for meeting details.
MD/DE Master Logger Program
Nevin Dawson
Program Coordinator
Wye Research and Education Center
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Queenstown, MD 21658
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E-mail: ndawson@umd.edu
http://md-demasterlogger.com/

THE LOGGER is the official publication of the MD/DE Master Logger Program, Master Logger Steering Committee (MLSC), and the Maryland SFISIC.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Contact Information</th>
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<tbody>
<tr>
<td>August 28</td>
<td>ML Transport Safety and Regulations</td>
<td>Rocky Gap State Forest, MD</td>
<td>Carol Taylor: 410-827-8056 or <a href="mailto:carolt@umd.edu">carolt@umd.edu</a>.</td>
</tr>
<tr>
<td>September 10-11</td>
<td>AFF Market-Based Conservation Incentives Workshop</td>
<td>Ellicott City, MD</td>
<td>Margaret Munford: 202-463-2723, <a href="mailto:mmunford@forestfoundation.org">mmunford@forestfoundation.org</a>, or <a href="http://www.affoundation.org">www.affoundation.org</a></td>
</tr>
<tr>
<td>September 12</td>
<td>5th Annual Eastern Regional Tree Farm Meeting</td>
<td>Senator Stolzhus Tree Farm, Marion Station, MD</td>
<td>Robert Hess: 410-957-3411 or <a href="mailto:carolt@umd.edu">carolt@umd.edu</a>.</td>
</tr>
<tr>
<td>September 15</td>
<td>Reward Your Employees for Being Safe</td>
<td>Sterling, VA</td>
<td>Christine Cavins: 703-637-4346 or <a href="mailto:ccavins@mcleaninsurance.com">ccavins@mcleaninsurance.com</a>.</td>
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<tr>
<td>September 17</td>
<td>ML Green Card Core (SF I)</td>
<td>Queenstown, MD; Cumberland, MD; Salisbury, MD</td>
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<tr>
<td>September 25</td>
<td>Woods In Your Backyard Workshop</td>
<td>Keedysville, MD</td>
<td>Pam Thomas: 301-432-2767 or <a href="mailto:pthomas@umd.edu">pthomas@umd.edu</a>.</td>
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<tr>
<td>October 2</td>
<td>Personal Protective Equipment</td>
<td>Sterling, VA</td>
<td>Christine Cavins: 703-637-4346 or <a href="mailto:ccavins@mcleaninsurance.com">ccavins@mcleaninsurance.com</a>.</td>
</tr>
<tr>
<td>October 21, 22, 31, November 4, 18</td>
<td>Beginner GPS Workshop</td>
<td>Keedysville, MD</td>
<td>Carole Taylor: 410-827-8056 or <a href="mailto:carolt@umd.edu">carolt@umd.edu</a>, <a href="http://www.naturalresources.umd.edu/GPS.cfm">www.naturalresources.umd.edu/GPS.cfm</a></td>
</tr>
<tr>
<td>October 23, November 6</td>
<td>Terrain Navigator Software and Integrating GPS</td>
<td>Keedysville, MD</td>
<td>Carole Taylor: 410-827-8056 or <a href="mailto:carolt@umd.edu">carolt@umd.edu</a>, <a href="http://www.naturalresources.umd.edu/GPS.cfm">www.naturalresources.umd.edu/GPS.cfm</a></td>
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<tr>
<td>October 31 - November 1</td>
<td>2008 Maryland Forests Association Annual Meeting</td>
<td>Annapolis, MD</td>
<td>Karin Miller: 301-895-5369 or <a href="mailto:mdforests@hereintown.net">mdforests@hereintown.net</a>, <a href="http://www.mdforests.org/AM2008.htm">www.mdforests.org/AM2008.htm</a></td>
</tr>
<tr>
<td>November 11</td>
<td>Landscapes and Backyard Woodlots: Business Opportunities for the Green Industry</td>
<td>Gettysburg, PA</td>
<td>Linda Horst: 717-263-9226 or <a href="mailto:lmh19@psu.edu">lmh19@psu.edu</a>.</td>
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Attendees at all listed events are eligible for ML CE credits commensurate with length of program.