

# GPS, Digital Cameras, and Mapping: Finding the Link

## A Summer 2006 Workshop Series



**Workshop #1**  
**Introduction to GPS For**  
**Stormwater Managers**

**June 15, 2006**

**Workshop #2**  
**Pictures, Points, and**  
**Places**

**July 25, 2006**

**Workshop #3**  
**URI GPS Field Day**

**September 8, 2006**

### **Details of Workshop #1: *Introduction to GPS for Stormwater Managers***

June 15, 2006 from 1:00 to 4:00pm at the University of Rhode Island, Kingston Campus, Coastal Institute

*Does your community need to meet new stormwater regulations? Is mapping stormwater drainage locations at the top of your priority list? If so, this workshop will provide your staff or consultants with the simplest and most practical methods to complete this task.*

#### **What Will I Learn?**

The program focuses on the use of low-cost, hand-held GPS units, in combination with digital cameras, to locate stormdrain features and verify their condition. A brief field walk will provide an opportunity to see how data is collected. Back in the classroom, you will learn how to import data, hyperlink photos, and enter results into a spreadsheet for your own record-keeping and reporting to RI DEM. **No GPS experience is required.**

#### **Who Should Attend?**

Town officials, volunteers, commission members, and private sector professionals

#### **How Much Does It Cost?**

\$15 for Nonprofit/Government/Student (\$25 after June 8)

\$45 for Professionals (\$60 after June 8)

#### **How Do I Register?**

Detach the registration form, printed on the reverse side, and mail it with your payment to:  
Lisa Philo, NEMO Program, University of Rhode Island, Coastal Institute 1 Greenhouse Road, Kingston,  
RI 02881. If you have additional questions, you can contact Lisa via e-mail at [LPHILO@uri.edu](mailto:LPHILO@uri.edu) or via  
phone at 401.874.5687.

## **Agenda Workshop #1: *Introduction to GPS for Stormwater Managers***

1:00 Introduction  
1:10 What municipal stormwater managers need to know  
1:30 GPS basics for stormdrain mapping  
2:30 Break  
2:45 Collecting and reporting GPS data  
4:00 Wrap up and adjourn

Trainers will include Paul Jordan, from RI DEM, with support from URI and RI DEM staff.

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## **Details of Workshop #2: *Pictures, Points, and Places***

July 25, 2006 from 8:30am to 4:30pm at the University of Rhode Island, Narragansett Bay Campus, Coastal Institute

*Would you like more intensive instruction on how to use GPS units and digital cameras to create the maps you need? This unique full-day program provides hands-on practice using GPS units and digital cameras to collect field data, and using laptops, import data and organize your results.*

### **What Will I Learn?**

This workshop is designed so that **no GPS experience is required. However, experienced GIS users will gain proficiency collecting geo-referenced digital pictures.** Hyperlinking pictures with GPS points, using free software (DNR Garmin) will allow you to view pictures interactively in GIS programs. Basic GIS concepts will be covered, including obtaining RIGIS data and creating GIS-based maps. A free GIS program (AccuGlobe) is used for most of the GIS exercises, but instruction will also be provided for using the linked pictures in ESRI software. Exercises will include importing data into a spreadsheet for reporting stormdrain locations to the RIDEM stormwater program.

Trainers will include University of New Hampshire Geospatial Technologies Training Center, in cooperation with the University of Connecticut and University of Rhode Island Geospatial Extension Programs.

### **Who Should Attend?**

Anyone interested in gaining experience linking GPS data and digital photos for use with GIS software

### **How Much Does It Cost?**

\$100 for Nonprofit/Government/Student (\$125 after July 7)  
\$150 for Professionals (\$175 after July 7)

### **How Do I Register?**

Enrollment is limited to 24 students, so early registration is suggested. Please contact Lisa Philo via e-mail at [LPHILO@uri.edu](mailto:LPHILO@uri.edu) or via phone at 401.874.5687 to sign up now!

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## **Save the Date for Workshop #3: *URI GPS Field Day***

September 8, 2006 from 9:00am to 2:30pm at the University of Rhode Island, Narragansett Bay Campus

Details will be forthcoming on the URI Geospatial Extension Program website: <http://geospatial.uri.edu>

# Registration for Workshops #1 or #2: Introduction to GPS and Pictures, Points, and Places

|                        |                             |                 |
|------------------------|-----------------------------|-----------------|
| Name: _____            |                             |                 |
| Company/Agency: _____  |                             |                 |
| Mailing Address: _____ |                             |                 |
| Town/City: _____       | State: _____                | Zip Code: _____ |
| Telephone: _____       | Fax: _____                  |                 |
| Email: _____           | Amount Enclosed<br>\$ _____ |                 |

I will attend:

\_\_\_\_\_ **Introduction to GPS on June 15, 2006**

Rate (Please check the rate that applies to you.)

\_\_\_\_\_ \$15 for municipal officials  
(After June 8, the rate is \$25.)

\_\_\_\_\_ \$45 for private sector professionals  
(After June 8, the rate is \$60.)

I will attend:

\_\_\_\_\_ **Pictures, Points, and Places  
on July 25, 2006**

Rate (Please check the rate that applies to you.)

\_\_\_\_\_ \$100 for municipal officials  
(After July 7, the rate is \$125.)

\_\_\_\_\_ \$150 for private sector professionals  
(After July 7, the rate is \$175.)

Please make check or money order payable to:

URI Cooperative Extension

Mail payment and this registration form to:

NRS Department – Lisa Philo  
URI Coastal Institute Bldg.  
1 Greenhouse Road  
Kingston, RI 02881