



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

THE CAROLINA VEGETATION SURVEY

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CVS-EEP Vegetation Monitoring Workshop, June 17-18, 2008

The Carolina Vegetation Survey (CVS) and the NC Ecosystem Enhancement Program (EEP) are pleased to announce the 2008 CVS-EEP Vegetation Monitoring Workshop, to be held June 17 & 18.

The workshop will consist of two days of instruction. Day One will provide an overview of the CVS-EEP partnership and protocol, and a thorough introduction to Level 1 monitoring methodology. Day Two will cover recent changes and updates to the protocol, and provide more advanced training in Level 2 and 3 monitoring. Participants may register to attend for both days, or for one day only. This flexible two-day schedule has been designed to accommodate participants of all levels of familiarity with the CVS-EEP protocol. Those who have attended one or more of our past workshops may wish to attend on Day 2 only, whereas those who require familiarity only with the basic monitoring of planted stems may opt only for Day 1. Further details regarding the contents of the workshop are outlined in the attached agenda.

The workshop will be held on the recently completed Northern Campus of Wake Technical Community College (<http://tinyurl.com/6genyc>), 6600 Louisburg Road, Raleigh. Registration will begin at 7:30am on each day and the sessions will begin at 8:00am. Lunch and transportation to and from the field site will be provided on both days.

The Data Management sessions will provide an opportunity for participants to follow along with the exercises on their personal laptop computers. If you wish to bring your laptop, we request that you download the data entry tool (link to be provided with registration confirmation) and verify its compatibility with your system prior to the conference.

Because the workshop is limited to 30 participants, we will initially accept only one employee from each On-Call Firm or Full Delivery Provider. Others will be placed on a wait list. If you wish to register multiple employees, please list them on the registration form in order of priority. Priority will also be given to those who wish to attend both days. The fee for the workshop is \$350 for both days, or \$200 for one day only.

To reserve your place in the workshop and receive further information regarding payment, please fill out the registration form at the end of this document and email it to Caroline Bernard (caroline.bernard@unc.edu).

We look forward to seeing you in June!

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Attachments: Agenda Day 1; Agenda Day 2; Registration form.

CVS-EEP Vegetation Monitoring Workshop 2008

Day 1: *An Introduction to CVS-EEP Vegetation Monitoring*

Tuesday, June 17, 2008

Wake Technical Community College, Northern Campus

6600 Louisburg Rd., Raleigh, NC

Math and Science Building, Room 313

- 7:30-8:00 **Registration**
Coffee will be provided.
- 8:00-8:15 **Greetings – Caroline Bernard (CVS) & Mac Haupt (EEP)**
Welcoming remarks; goals and objectives; general housekeeping issues.
- 8:15-8:30 **EEP Data Flow – Steve Roberts**
An overview of work and data flow will be presented, from planning baseline data collection, to annual monitoring, through project close out.
- 8:30-9:00 **CVS Overview – Robert Peet**
This session serves as an introduction to the CVS-EEP partnership and its unique contributions to the mitigation process. We will present the approach CVS and EEP have developed to enhance collection and management of data from mitigation sites and explain how the products of this collaboration can be used to increase contractor efficiency and effectiveness.
- 9:00-9:30 **Level-1 Sampling Overview – Tom Wentworth**
The Level-1 (planted stems) sampling protocol will be introduced with a brief overview of data collection procedures. An in-depth explanation of specifics will be given in the "Procedures and Techniques" presentation later in the morning.
- 9:30-9:50 **Taxonomic and Community Classification Resources and Standards – Robert Peet**
Guidance will be provided on the best resources for identifying plants and vegetation types. We will also discuss how to handle the challenges and take advantage of the benefits to be derived from the rapid evolution of our knowledge of plant species and vegetation types.
- 9:50-10:10 **Break**
Snacks and drinks will be provided.
- 10:10-11:10 **Level-1 Procedures and Techniques – Tom Wentworth**
Through a virtual demonstration, participants will review the details of how to most efficiently and effectively perform all the tasks required for collecting high-quality Level-1 monitoring data.
- 11:10-12:10 **Introduction to Data Management and Data Entry – Forbes Boyle**
Use of the CVS data entry tool for digital recording and quality control of Level-1 data will be explained in detail. Participants will also be given the opportunity to follow along on their personal laptop computers using an example dataset.
- 12:10-1:45 **Lunch and Travel**
The group will travel from the classroom to lunch, and then to the field site.
- 1:45-4:00 **Field Exercises at the Smith / Austin Creeks Site**
CVS staff will lead participants through Level-1 sampling procedures in the field. Each crew of ~4 will establish two plots, one to collect Vegetation Baseline Data (VBD; establishment of a new plot) and one to collect Vegetation Monitoring Data (VMD; resampling of a previously monitored plot).
- 4:00-4:15 **Break**
Snacks and drinks will be provided.
- 4:15-5:00 **Q & A / Discussion (in field) – Robert Peet, Tom Wentworth, and CVS personnel**
A question and answer session will be held following plot data collection in order to promote efficiency in data collection and to address any issues or concerns that emerge during the exercise.

CVS-EEP Vegetation Monitoring Workshop 2008

Day 2: Advanced CVS-EEP Vegetation Monitoring

Wednesday, June 18, 2008

Wake Technical Community College, Northern Campus

6600 Louisburg Rd., Raleigh, NC

Math and Science Building, Room 313

7:30-8:00

Registration

Coffee will be provided.

8:00-8:15

Greetings – Caroline Bernard (CVS) & Mac Haupt (EEP)

Welcoming remarks; goals and objectives; general housekeeping issues.

8:15-8:45

EEP Update – Steve Roberts

An overview of recent changes to the EEP restoration and mitigation plan templates will be given, with an explanation of how the vegetation components of the design and monitoring processes work together.

CONCURRENT SESSION 1 – Room 313

8:45-9:30

Level-1 Review – Tom Wentworth

Level-1 procedures will be presented as a component of data collection and management in the CVS-EEP approach to vegetation monitoring. This overview of Day-1 activities will include the rationale and general protocol for Level-1 monitoring, a brief summary of field sampling procedures, and an introduction to the basics of data entry.

CONCURRENT SESSION 2 – Room 416

8:45-9:30

Data Entry Tool – Forbes Boyle

This session provides an opportunity for Day-1 participants to obtain more in-depth training with the data entry tool, in part through working with data collected during the field exercises of the previous afternoon. The instructor will demonstrate data entry procedures while participants work through a series of real-data issues on their personal laptops.

9:30-10:00

Planning Tools – Robert Peet & Elizabeth Matthews

CVS is developing tools and data sources to facilitate planning of restoration activities and to evaluate their success. New and emerging tools will be described and suggestions for increased functionality will be solicited.

10:00-10:15

Break

Snacks and drinks will be provided.

10:15-11:15

Level-2 & Level-3 Procedures and Techniques – Tom Wentworth

The Level-2 and Level-3 sampling protocols will be explained. Through a virtual demonstration, participants will review the details of how to most efficiently and effectively perform all tasks required for collecting high-quality, Level-2 and Level-3 monitoring data.

11:15-12:00

Tools for Data Management and Reporting – Forbes Boyle

Use of the CVS data entry tool for digital recording and quality control of Levels 2 and 3 data will be explained in detail. Participants will be given the opportunity to follow along on their personal laptop computers using an example dataset. In addition, new data reporting and analysis options for Levels 1-3 will be presented.

12:00-12:15

Q & A

A question and answer session will be held for participants to ask questions about sampling procedures and report generation.

12:15-1:45

Lunch and Travel

The group will travel from the classroom to lunch, and then to the field site.

1:45-4:00

Field Exercises at the Smith / Austin Creeks Site

CVS staff will lead participants through Level-2 and Level-3 sampling procedures in the field. Each crew of ~4 will establish one plot to collect Level-2 Vegetation Monitoring Data (VMD) and one plot to collect Level-3 Community Occurrence information.

4:00-4:15

Break

Snacks and drinks will be provided.

4:15-5:00

Q & A / Discussion (in field) – Robert Peet, Tom Wentworth, and CVS personnel

A question and answer session will be held following plot data collection in order to promote efficiency in data collection and to address any issues or concerns that emerged during the exercise.

CVS-EEP Vegetation Monitoring Workshop 2008 Registration Form

June 17-18, 2008

Wake Technical Community College, Northern Campus

6600 Louisburg Rd., Raleigh, NC

Math and Science Building, Room 313

Company/Organization Name: _____

Name of Participant	Email address	Attending on Days (check <u>one</u> or <u>both</u>)	
		Day 1 - Tue	Day 2 -Wed

Contact Person (if different from participants):

Name: _____

Email address: _____

There are two options for returning this form.

Option #1

SAVE this form and then email it as an attachment to caroline.bernard@unc.edu

Option #2

If you have a desktop email program, such as Outlook, Eudora, Entourage, or Thunderbird, you can email this information to us directly from this form.

If this form does not work for you, please download our alternate version (a Word document) at <http://cvs.bio.unc.edu/registration2008.doc>, fill it out, and email it to caroline.bernard@unc.edu.