

## 2010 Wetland Delineator Certification Program (WDCP) Courses

Pricing and registration for courses are posted at <http://www.mnwetlands.umn.edu/cert/>

Date	Course	Location <sup>1</sup>
April 7	Lateral Effect	Detroit Lakes
May 25 & 26	Hydric Soils	Owatonna
June 14 - 18	Basic Wetland Delineation	St. Paul
June 21 & 22	Wetland Delineation Refresher	Mankato
June 29, 30, & July 1	Wetland Boundary Plant Identification	Cloquet
July 12 - 16	Basic Wetland Delineation	Little Falls
July 20 - 22	Wetland Boundary Plant Identification	St. Paul
July 27 & 28	Wetland Delineation Refresher	Bemidji
August 4	Wetland Hydrology Indicators	St. Paul
August 18 & 19	Wetland Delineation Refresher	St. Paul
August 24 -26	Wetland Boundary Plant Identification	Morris
September 9	Lateral Effect	Owatonna
September 22 & 23	Hydric Soils	Detroit Lakes

<sup>1</sup>Locations are approximate but representative of the general area where the course will be held. Exact locations to be determined.

### Course Descriptions

*The following course descriptions are preliminary, but generally representative of the course content and agenda.*

#### **Basic Delineation – 5-day**

Basic wetland delineation using 1987 Corps Manual and Supplements (Midwest, Great Plains, NE/NC) with emphasis on common protocols and data sources used in Minnesota.

Although there is no prerequisite for this course, students without a basic background in natural resources (college level coursework in soils, hydrology, and vegetation) may have difficulty grasping the large amount of information in a short time frame.

Day 1 – lecture (general)

Day 2- lecture (soils & hydrology) & soil texturing lab

Day 3- lecture (vegetation) and field

Day 4 – field

Day 5 – lecture (summary, delineation rpt) and test (optional).

### **Delineation Refresher – 2-day**

Lecture and field-based review of delineating wetlands using the 1987 Corps Manual and Supplements (Midwest, Great Plains, NE/NC) with emphasis on common protocols and data sources used in Minnesota.

Students must have completed a basic wetland delineation course to attend this class.

Day 1 – lecture

Day 2 – field

### **Wetland Boundary Plant Identification – 3-day**

Primarily a field-based course focusing on identification of plant species commonly found in wetland-upland transition zones.

Although there is no prerequisite for this course, students without some background in plant identification and/or plant biology may find the terminology and methods difficult to grasp.

Day 1 – lecture and lab

Day 2- field and lab

Day 3 – field

### **Hydric Soils Identification – 2-day**

Review of NRCS hydric soil field indicators in Land Resource Regions K, F, and M with emphasis on identifying indicators under field conditions and understanding their development .

Although there is no prerequisite for this course, students without some background in soil science may have difficulty grasping the concepts and technical terminology.

Day 1 – lecture and lab

Day 2 – field

### **Wetland Hydrology Indicators – 1 day**

Review of wetland hydrology indicators in Land Resource Regions K, F, and M with emphasis on identifying indicators under field conditions and understanding their development.

Lecture and field components.

### **Lateral Effect – 1 day**

Lecture-based class will discuss techniques to determine the effect of drainage on wetlands with emphasis on common situations that are relevant in Minnesota.

Although there is no prerequisite for this course, students should have a working knowledge of wetland science in order to obtain maximum benefit from the course.