

2020 CONSERVATION SKILLS WORKSHOP

A modified version of Conservation Skills Workshop (CSW) will be offered this year that will include an offering of 5 classes, with each class consisting of a 1-day, interactive webinar. Webinar classes will be offered during the week of September 14, 2020 – September 18, 2020.

Optional 1-day field courses have been planned for the weeks following the webinars. All field courses will be held in an outside learning environment. There will be NO classroom facilities available at any of the field course locations. Class sizes will be limited and registrants will be expected to practice social distancing and wear masks at all times during the field courses. Field course locations may change or be cancelled based on future Covid-19 orders or directives. As such, field course locations are currently identified by County only; specific field course address information will be provided to registrants in the weeks immediately prior to the class.

Participants are encouraged to take both the webinar and field course portions of each class, but for those who choose not to participate in the field session, separate CCA credits (if applicable) will be available for both.

Included in this packet, you will find the 2020 Conservation Skills Workshop registration information, class descriptions and schedules. This workshop is sponsored by the NYS Conservation District Employee's Association, USDA Natural Resources Conservation Service and the NYS Soil and Water Conservation Committee.

In light of the numerous challenges our organizations are facing this year, the Conservation Skills Committee has lowered this year's registration rate to \$10 per person. This fee covers the program registration regardless of whether or not you will be attending the field portion of a particular class. There will be no refunds if a field course gets cancelled for any reason, including but not limited to Covid-19.

Registration forms will be accepted electronically. Please mail payments to the address below. Registrations are due no later than **August 31, 2020**. Click on or copy and paste the following link to fill out your registration form.

<https://forms.gle/TtMBhTy36jXF2tJ4A>

Please make checks payable to: NYS CDEA, Inc.

Please mail checks to: Seneca County SWCD
2041 US Route 20, Suite #2
Seneca Falls, NY 13148

Questions???: Please contact Cortland County SWCD at 607-756-5991

2020 CONSERVATION SKILLS WORKSHOP

Webinar Course List

September 14, 2020

NYS DEC Stormwater Construction Permit and MS4 Permit Review

Format: Webinar

10 a.m. to 12 p.m.

Instructors: Dave Gasper, NYS DEC; Ethan Sullivan, NYS DEC

We are honored to have NYS DEC Stormwater professionals Dave Gasper and Ethan Sullivan present an overview of the two New York State stormwater permits. Dave will review the current Stormwater Construction permit with an emphasis on construction site inspection requirements. Ethan will review the current MS4 permit with an emphasis on municipal requirements. There will be an opportunity at the end of the on-line training to ask questions and discuss your Districts stormwater program and the many ways your District can assist municipalities with stormwater management. This course will provide a background for the upcoming Construction Site Stormwater Inspection field course offered on September 23rd in the Rochester region. Students will need a computer and access to internet.

Credits: N/A

September 15, 2020

Livestock Watering System Planning and Design

Format: Webinar

9 a.m. to 4 p.m.

Instructors: Paula Bagley, NRCS State Engineer; Jerry Lewis, NRCS Area Engineer; Karen Hoffman, NRCS Resource Conservationist – Animal Scientist/Grazing Mgmt.

This class will provide instruction for planning, design and implementation of a Livestock Watering System. Objectives of this class include teaching participants about the function a well executed livestock watering system has to a Prescribed Grazing Plan. Participants will engage in a discussion on the benefits of a prescribed grazing plan to the environment, soil health, ecosystem, animal health, and what concerns can be presented when a prescribe grazing plan is warranted in a conservation plan. The class will discuss the elements of site evaluations and discuss suitable livestock watering system options to meet the conservation planning objectives of the prescribed grazing plan and site constraints, including - source development options, trough locations, system layout, fence lines, planning for emergency watering locations/options, and more. The class will then focus on the watering system design, including- calculating water pressure and causes of pressure loss, pumping, transfer, solar considerations, drawing elements, construction specifications, operation and maintenance planning and considerations, and implementation considerations-. The class will be introduced to the full Livestock Watering System Design Template prepared in spring 2020 that is available to all on the SWCD and NRCS SharePoint sites. The classroom session will be provided virtually using the MS TEAMS environment. Users are asked to access the training using the Google Chrome internet browser.

Credits: CCA CEUs: 0.5 NM and 2 SW

September 16, 2020

Cropland/Overland Flow (WASCOBs, Waterways & Diversions)

Format: Webinar

Time: 9 a.m. to 2 p.m.

Instructors: Rick Rinaldo, NRCS Northeast Area Engineer; Ethan Bentley, NRCS Northeast Field Engineer; Tom Eskildsen, Yates Co. SWCD District Senior Technician

This class will provide instruction for planning, design and implementation of Cropland Overland Flow Systems. This class will provide information to consider when planning and designing grassed waterways, diversions, WASCOBs and outlets. We will discuss and provide a Cropland Overland Flow Design Template, which will include drawings in PDF and AutoCadd format. We will focus on design through implementation covering topics including planning and engineering tools (EFH2, EFT, Engineering Field Handbook process, etc), structure selection, site selection, design consideration such as width and slopes, surface water control and more.

Pre-requisite: watershed calculations.

Credits: CCA CEUs: 0.5 NM and 3 SW

September 17, 2020

AEM Tier 3 Basic Nutrient Management Planning Skills

Format: Webinar

10 a.m. to 12:30 p.m.

Instructors: Greg Albrecht, NYS SWCC AEM Coordinator and CNMP Specialist; Ron Bush, NYS SWCC CNMP Specialist; Brendan Jordan, NYS SWCC CNMP Specialist

This course will focus on key, basic skills used in developing crop nutrient management plans, whether as a part of an AEM Tier 3A NM-Core plan or AEM Tier 3A Full 590 or AEM Tier 3B CNMP. While not a pre-requisite for this course, it will build on the topics covered at the AEM Tier 3A NM-Core class and Cropware class offered last March at the Water Quality Symposium. This course will cover the basics of fertilizers, soil and manure sampling/testing, and manure spreader calibration.

Credits: CCA CEUs: 2 NM

September 18, 2020

Basic Soils

Format: Webinar

10 a.m. to 3 p.m. (lunch break 12 - 1 p.m.)

Instructors: Olga Vargas, NRCS Soil Scientist and Nick Rowell, Warren Co. SWCD Natural Resource Specialist

Conservation professionals routinely use soil information from both soil surveys and on site testing, often without realizing important distinctions between tests or classification methods. This on-line, interactive course provides an overview and introduction to relevant soils topics and will help clarify these distinctions. Topics will include soil surveys, working with soils data in Soil Data Viewer/ArcMap, Web Soil Survey, QGIS, dynamic soil properties, hydric soils, and more. This class is a beginner level class, no prior soils experience necessary. Students will need a computer and access to internet. Credits: CCA CEUs: 3.5 SW

Field Course List

Construction Site Stormwater Inspection

Format: Field Course

September 23, 2020

10 a.m. to 12 p.m.

Location: Monroe County

**Instructors: Patrick Emerick, NYS SWCC Region2 Associate Environmental Analyst;
TBD Representative, NYS DEC Region 8**

Please join SWCC Region 2 AEA P.J. Emerick and a representative from NYS DEC Region 8 for a construction site stormwater inspection on an active site in the Rochester region. This field course will walk students through a full site inspection looking at several different types of erosion control and stormwater best management practices on the site. Students will have the opportunity to ask questions as we walk throughout the site. The course will conclude with a brief discussion on ways your District can assist municipalities with stormwater management. Students must bring appropriate field gear to include boots, hard hats, safety vests and rain gear. Credits: N/A

Livestock Watering System and Cropland Overland Flow (WASCOBs, Waterways & Diversions) Combined Field Sessions

Format: Field Course

Held in three locations:

September 21, 2020 at 10 a.m. to 3:30 p.m. – Essex County –

Instructed by: Ethan Bentley, NRCS Northeast Field Engineer

September 22, 2020 at 10 a.m. to 3 p.m. – Onondaga County –

Instructed by: Rick Rinaldo, NRCS Northeast Area Engineer

September 24, 2020 at 10 a.m- 3 p.m. - Ulster County –

Instructed by: Jake Wedemeyer, Ulster SWCD District Technician

The field portion of this class will involve visiting sites with cropland overland flow structures and livestock watering systems installed or planned, depending on the individual site. Students will be able to learn about inventory and evaluation of field sites for various structures and how to choose which one may be the best one for each site. Instructors will discuss their agency roles and involvement with individual sites. Individual field sites visit times will vary in length. Students will have the opportunity to see the systems in functioning condition, discuss with the system stakeholders and class instructors the results of the implementation of the conservation practice systems. Depending on times at each site, students may be able to discuss field survey methods, layouts, and construction checks of projects.

Credits: CCA CEUs: 1 NM and 3.5 SW

Cropland Overland Flow (WASCOBs, Waterways & Diversions)

Format: Field Course

September 25, 2020 at 9 a.m. to 3 p.m. - Yates County –

Instructed by: Tom Eskildsen, Yates Co. SWCD District Senior Technician.

This field class will cover cropland overland flow structures only. Students will be able to learn about inventory and evaluation of field sites for various structures and how to choose which one may be the best one for each site (grass waterway vs diversion ditch vs wascobs). Instructors will discuss their agency roles and involvement with individual sites. Students will have the opportunity to see the systems in functioning condition, discuss with the system stakeholders and class instructors the results of the implementation of the conservation practice systems. Students will be able to discuss field survey methods, layouts, and construction checks of projects.

Credits: CCA CEUs: 4 SW

AEM Tier 3 Basic Nutrient Management Planning Skills

Format: Field Course

September 29, 2020 OR September 30, 2020

10 a.m. to 3 p.m.

Location: Onondaga County – Apulia Station Area

The in-field session will be on a farm in southern Onondaga County (Apulia Station) on September 29 and repeated on September 30. Depending on registration, participants will be assigned to one of the in-field sessions so we can keep class sizes low. While in the field, we'll calibrate a manure spreader, practice soil and manure sampling and discuss test results, and identify field risk features and spreading setbacks in small groups all while maintaining physical distance. Please bring a soil probe and bucket if you have them, a lunch, drinking water, a face mask, and clothing/footwear for the weather (rain or shine). We'll supply hand sanitizer and plastic booties.

Credits: CCA CEUs: 2 NM and 1 SW

Basic Soils

Format: Field Course

September 24, 2020

10 a.m. to 3 p.m.

Held in three locations:

Warren County - Instructed by Olga Vargas, NRCS Soil Scientist

Wayne County - Instructed by Steve Page, NRCS Asst. State Soil Scientist

Chemung County - Instructed by Matt Havens, NRCS Soil Scientist

A Basic Soils Field Day course will be offered, in three different counties, students may choose to attend one class offered in the following locations; Warren County, Wayne County or Chemung County. Field day exercises will focus on performing soil health assessments, hydric soil indicators, soil test pits and classifying soils in the field to improve site assessment for conservation practice design. Students should plan on bringing appropriate clothing/footwear for the weather, a mask and lunch. Class sizes are limited to 20 students per site, so please register early. Credits: CCA CEUs: 3 SW

Conservation Skills Workshop

September Course Calendar

(Detailed field course locations will be provided to registrants in the weeks immediately prior to the classes)

	Monday	Tuesday	Wednesday	Thursday	Friday
Webinar	14 NYS DEC Stormwater Construction Permit and MS4 Permit Review 10 a.m. to 12 p.m.	15 Livestock Watering System Planning and Design 9 a.m. to 4 p.m.	16 Cropland /Overland Flow (WASCOBs, Waterways & Diversions) 9 a.m. to 2 p.m.	17 AEM Tier 3 Basic Nutrient Management Planning Skills 10 a.m. to 12:30 p.m.	18 Basic Soils 10 a.m. to 3 p.m.
Field Course	21 Livestock Watering System and Cropland Overland Flow - Essex County 10 a.m. to 3:30 p.m.	22 Livestock Watering System and Cropland Overland Flow - Onondaga County 10 a.m. to 3 p.m.	23 Construction Site Stormwater Inspection - Monroe County 10 a.m. to 12 p.m.	24 Basic Soils - Warren County, Wayne County, or Chemung County 10 a.m. to 3 p.m. Livestock Watering System and Cropland Overland Flow - Ulster County 10 a.m. to 3 p.m.	25 Cropland /Overland Flow - Yates County 9 a.m to 3 p.m.
Field Course	28	29 AEM Tier 3 Basic Nutrient Management Planning Skills - Onondaga County 10 a.m. to 3 p.m.	30 AEM Tier 3 Basic Nutrient Management Planning Skills - Onondaga County 10 a.m. to 3 p.m.		