

NYS Conservation District Employees' Association, Inc.
NYS Soil and Water Conservation Committee

TO: SWCD directors and staff, County Water Quality Coordinating Committee members, and cooperating agencies and organizations
FROM: Caitlin Stewart, Vice-President, NYS CDEA, Inc. and Mike Latham, Director, NYS SWCC
DATE: January 12, 2022
SUBJECT: 2022 Virtual Water Quality Symposium / NYS CDEA Annual Training Session

Dear friends and colleagues:

It is our pleasure to invite you to the 2022 Water Quality Symposium and the NYS CDEA Annual Training Session **held virtually March 14 – 25, 2022.**

The partnership between the Conservation District Employees' Association, Inc. and the New York State Soil and Water Conservation Committee makes the Water Quality Symposium possible. It takes the cooperation and dedication of many people to make an event of this scale successful. Each year the Symposium provides an excellent and affordable forum to share ideas and skills to advance natural resource conservation across the state. Education and training efforts remain a high priority for all parties involved and locating alternative resources for future symposiums is an ongoing and challenging process. Partnerships that blend consistent funding with people capable of sharing technical know-how are essential to the continuation of an event as unique as the Water Quality Symposium.

In this packet, you will find the Water Quality Symposium class schedule followed by class descriptions. **Registration will be accepted electronically, however, payments must be mailed to the address below.** **Registration is due no later than February 18, 2022.** Use this link to access the online registration form: <https://forms.gle/pdTmhNisVbAWyCEd8>

Each instructor and attendee must register separately online.

Full registration payment must be received or postmarked by March 7. To pay by credit card please follow this link: <https://nys-conservation-district-employees-assoc-inc.square.site/water-quality-symposium>. To pay by check, please make checks payable to: NYS CDEA, Inc., and mail to: Franklin County SWCD, Attn: Chastity Miller, 151 Finney Blvd., Malone, NY 12953.

NOTE: CNMP Training / NRCS Phase II Training – Tentatively scheduled for April 5-7, 2022, with the primary training location on the Cornell University campus in Ithaca, NY, and a remote webinar option for those not able to participate in-person. Look for more details and potential schedule updates from Ron Bush sent through the AEM Planner email listserve and State Committee District email list in the coming weeks. Contact Ron Bush with questions in the meantime (ronald.bush@agriculture.ny.gov or 315-314-0352).

Contact Caitlin Stewart with questions: caitlinstewart@frontier.com, 518-548-3991.

With gratitude,



Caitlin Stewart, CDEA Vice President

EVENT PAYMENT AND REFUND POLICY

PAYMENT:

All attendance fees for the Water Quality Symposium Annual Training Sessions must be paid prior to the event. Full payment for Symposium attendance must be received or postmarked by March 7. If the attendance fee is not paid by this date, a late fee of \$50 may be added.

REFUNDS:

A. CANCELLATIONS MADE BY ATTENDEE:

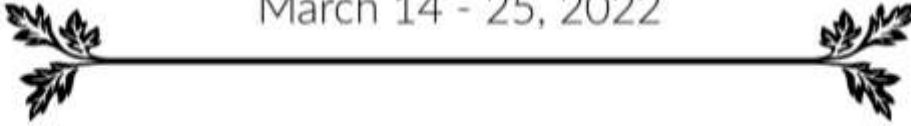
If an attendee chooses not to attend an event, the cancellation must be made in writing to the NYS CDEA Vice-President by March 7 to be considered for a refund.

B. CANCELLATIONS MADE BY NYSCDEA:

If the NYS CDEA cancels a class and that is the only class an attendee is attending, then a refund for the class will be granted. NYS CDEA will do its best to notify class participants that the class is canceled as soon as possible.

If the class is still held and the attendee does not notify the NYS CDEA Vice President by March 7, then no refund or partial refund will be issued regardless of the reason for missing the course (weather, life circumstance, etc.). If an attendee attends a class and is dissatisfied with the presentation or content, no refund or partial refund will be issued.

The 2022 Virtual
Water Quality Symposium
and
NYS CDEA Annual Training Session
March 14 - 25, 2022



Presented By:
The New York State Conservation District
Employees' Association, Inc.
&
The New York State Soil and Water Conservation
Committee



Registration

Online registration: <https://forms.gle/pdTmhNisVbAWyCEd8>

Registration deadline: **FEBRUARY 18, 2022** (Please register early)

Payment: Full registration payment must be received or postmarked by March 7. To pay by credit card please follow this link: <https://nys-conservation-district-employees-assoc-inc.square.site/water-quality-symposium>. To pay by check, please make checks payable to: NYS CDEA, Inc., and mail to: Franklin County SWCD, Attn: Chastity Miller, 151 Finney Blvd., Malone, NY 12953.

Registration Fees:

New York State Soil and Water Conservation District employees: free

New York State students: free

All other attendees:

- Unlimited access to all classes plus recordings: \$25.00; or
- Half-day class: \$5.00
- Full-day class: \$10.00

Virtual Annual Meeting and Awards Ceremony: free for all attendees

2022 Water Quality Symposium Class Schedule At-A-Glance

Monday, March 14	Tuesday, March 15	Wednesday, March 16	Thursday, March 17	Friday, March 18
9:00 a.m. – 12:00 p.m. 1. AEM Base Program Tier 4 BMP Implementation Project Showcase	9:00 a.m. – 12:00 p.m. 4. Construct Your Soil Health Knowledge (full day) 5. Alternative Manure Management	9:00 a.m. – 12:00 p.m. 8. CropwareNet: A New Tool For Crop Nutrient Management Planning (full day) 9. Outwintering Livestock: Opportunities, Challenges and Management Considerations 10. OSC - Policies and Reporting	9:00 a.m. – 12:00 p.m. 13. Managers' Forum 14. Specialty Farm BMPs and the World of HEMP 15. Intermediate/Advanced Excel	9:00 a.m. – 12:00 p.m. 18. Master Social Media 19. Hydroseeding Forum Reloaded
12:00 p.m. – 1:00 p.m. Division I and II Meeting	12:00 p.m. – 1:00 p.m. Division III and IV Meeting	12:00 p.m. – 1:00 p.m. Division V Meeting	12:00 p.m. – 1:00 p.m. Division VI Meeting	12:00 p.m. – 1:00 p.m. Division VII Meeting
1:00 p.m. – 4:00 p.m. 2. Animal Waste Management 3. Selling Conservation	1:00 p.m. – 4:00 p.m. 4. Construct Your Soil Health Knowledge (full day) 6. Understand and Interpret your Soil Test 7. Ag BMP Budgeting	1:00 p.m. – 4:00 p.m. 8. CropwareNet: A New Tool For Crop Nutrient Management Planning (full day) 11. Clerks' Forum 12. Leadership Course: Growing Emotional Intelligence through Constructive Communication (ends at 5:00 p.m.)	1:00 p.m. – 4:00 p.m. 16. Self Care for Clerks 17. Managing for Success 6:30 p.m. Virtual Happy Hour Wear your St. Patrick's Day attire!	1:00 p.m. – 4:00 p.m. 20. Watershed Forum 21. Meet the PRISMS: Partnerships for Regional Invasive Species Management 22. Grants for Clerks
Monday, March 21	Tuesday, March 22	Wednesday, March 23	Thursday, March 24	Friday, March 25
9:00 a.m. – 12:00 p.m. 23. Baseline Skills for AutoCAD (full day)	9:00 a.m. – 12:00 p.m. 25. Introduction to Lidar	9:00 a.m. – 12:00 p.m. 26. Tree Sale Forum	9:00 a.m. – 12:00 p.m. 27. Afforestation in New York State (full day) 28. How Mapped Floodways Can Impact Your Stream Projects (And What To Do)	9:00 a.m. – 12:00 p.m. 30. Silvopasture Planning and Implementation 31. ArcGIS Online and Survey123
12:00 p.m. – 1:00 p.m. Division VIII Meeting	2:00 p.m. – 4:30 p.m. Annual Meeting and Awards Ceremony		1:00 p.m. – 4:00 p.m. 27. Afforestation in New York State (full day) 29. Stormwater MS4 Requirements	1:00 p.m. – 4:00 p.m. 32. Introduction to Stream Stabilization and Restoration
1:00 p.m. – 4:00 p.m. 23. Baseline Skills for AutoCAD (full day) 24. Culvert Design and NYSDEC Stream Disturbance & Wetland Permitting	6:30 p.m. Virtual Happy Hour			

Class Descriptions

For clarity, the class numbers on the online registration form and the class schedule at-a-glance correspond to the numbers in the class descriptions below.

1. AEM Base Program Tier 4 BMP Implementation Project Showcase

Date: Monday, March 14, 2022 from 9:00 AM to 12:00 PM

Instructors: District AEM Staff with Greg Albrecht as moderator

Description: This half-day, virtual class will showcase AEM16 Tier 4 BMP projects implemented by Districts across the State. The AEM Base Tier 4 BMP Implementation Track is designed to complement the NYS SWCC's competitive programs (AgNPS and CRF) and in its first round has led a solid delivery of small- to medium-sized projects across a wide range of BMP systems and farm types. Now it's time to hear about the projects from the District AEM staff who made them happen! District staff will provide insights on the projects, the AEM plans that led to them, the local process used to select the projects for funding, the BMP systems implemented, what worked, what they might do differently, what could be improved for future AEM Base rounds, etc. The aim is to set the stage for discussion, learning from each other, and getting to better know AEM colleagues from around the State as we hear District presentations throughout the morning.

Credits: CCA CEUs: 1 NM and 1.5 SW

2. Animal Waste Management

Date: Monday, March 14, 2022 from 1:00 PM to 4:00 PM

Instructor: Rick Rinaldo, Natural Resources Conservation Services

Description: Sizing a waste storage for a farm's manure management system using NRCS's Animal Waste Management (AWM) computer program.

Credits: CCA CEUs: 1.5 NM and 1.5 SW

3. Selling Conservation

Date: Monday, March 14, 2022 from 1:00 PM to 4:00 PM

Instructors: Al Fagan, Wyoming County Soil and Water Conservation District and others

Description: Various District Managers and Technicians will provide different scenarios and experiences they've encountered while trying to implement conservation on farms. We will discuss some of the stumbling blocks with Ag conservation, getting around the "Big Government" issue, how we have dealt with stubborn or troublesome farms in the past, explaining the economics of conservation, etc. Q&A sessions at the end.

4. Construct Your Soil Health Knowledge

Date: Tuesday, March 15, 2022 from 9:00 AM to 12:00 PM and 1:00 PM to 4:00 PM (full day)

Instructors: Jason Cuddeback, Cayuga County Soil and Water Conservation District; Matt Ryan and Janice Thies, Cornell University; Amy Langner, Natural Resources Conservation Service

Description: Course will focus on Soil Health basics of cover crops mixes for improving soil health, seeding methods and planting green. Every wondering how to read and interpret your general soil test or soil health test or the impacts of soil health on crop growth and conservation? Tillage, concepts of all types and its function on the farm and for soil health. What about the impacts of Soil Health on crop growth and conservation!! A new Soil Health Tool!! OR what about soil biology and ecology, come hang with use on Tuesday for an AWESOME knowledge-based fun filled practical experience.

Credits: CCA CEUs: 1 SW and 2 CM

5. Alternative Manure Management

Date: Tuesday, March 15, 2022 from 9:00 AM to 12:00 PM

Instructors: Al Fagan, Wyoming County Soil and Water Conservation District; Brian Hall Cayuga County Soil and Water Conservation District; and others

Description: Al Fagan and Brian Hall will discuss the Manure Storage Cover & Flare systems that were installed in their respective counties, and the benefits associated with these practices. We will discuss how this alternative form of

manure management benefits the farm and the environment.

Credits: CCA CEUs: 1 NM and 1.5 SW

6. Understand and Interpret your Soil Test

Date: Tuesday, March 15, 2022 from 1:00 PM to 4:00 PM

Instructor: Joseph Amsili, Cornell University

Description: How to read your soil test analysis.

Credits: CCA CEUs: 1.5 NM and 1.5 SW

7. Ag BMP Budgeting

Date: Tuesday, March 15, 2022 from 1:00 PM to 4:00 PM

Instructors: Various, SWCD and Private Sector

Description: Best Management Practice System budget development is a key component of successful implementation and can be critical when applying for cost share assistance. Attendees will hear from a panel of Soil and Water Conservation Districts and private sector representatives who will discuss their insights on project budgeting. Panelists will share methods for BMP System cost determination and discuss how they account for unanticipated cost overruns. This class will provide an opportunity for participants to interact with the panelists and engage in the conversation.

8. CropwareNet: A New Tool For Crop Nutrient Management Planning

Date: Wednesday, March 16, 2022, from 9:00 AM to 12:00 PM and 1:00 PM – 4:00 PM (full day)

Instructors: Mike Contessa, Champlain Valley Agronomics Inc. / Farm Information Technologies, LLC; Greg Albrecht, Ron Bush, and Brendan Jordan, New York State Soil and Water Conservation Committee; and Jason Cuddeback, Cayuga County SWCD

Description: This full-day, virtual session will provide an in-depth introduction to the new version of Cropware: CropwareNet. As with Cropware Classic and Plus, CropwareNet is used to develop nutrient management plans for crop fields (including AEM Tier 3A NM-Core Plans, Full-590 Plans, and CNMPs). Relative to prior Cropware versions, CropwareNet is cloud-based; delivers P Index 2.0; uses the latest soil map unit data from NRCS (compared to the coarser soil series data); provides an enhanced user interface and data backup; and offers more flexibility for data export and report generation. Participants will gain experience in the new, online format and how to use it to characterize rotations, fertilizers, manure sources, and fields as well as allocate nutrients to fields according to NRCS 590 and generate reports. After the class, participants with existing Cropware Plus licenses will have access to CropwareNet to migrate their existing Cropware files, gain experience with the new platform, and provide feedback. If you have any questions, please contact Greg Albrecht (greg.albrecht@agriculture.ny.gov or 607.229.4654).

Credits: CCA CEUs: 4 NM and 1 SW

9. Outwintering Livestock: Opportunities, Challenges and Management Considerations

Date: Wednesday, March 16, 2022, from 9:00 AM to 12:00 PM

Instructors: Brett Chedzoy, Cornell Cooperative Extension of Schuyler County, and

Description: In the conservation and regenerative agriculture context, outwintering is said to be a tool or planned strategy that enhances soil health and defrays the cost of overwintering livestock. You may have heard about bale-grazing, round-bale rolling, stockpiling pasture, shelterbelts and the idea of "living" barns. But what's the backstory and considerations in using these strategies? We'll take a practical approach to address the opportunities and challenges as it applies to the land and what advice a conservation professional might suggest to help a customer navigate these practices.

Credits: CCA

10. OSC - Policies and Reporting

Date: Wednesday, March 16, 2022 from 9:00 AM to 12:00 PM

Instructor: Will Naylor, Office of the New York State Comptroller

Description: This session will have two parts. The first part will include a presentation on accounting and reporting responsibilities. The presenter will familiarize officials with the accounting process for Soil and Water Conservation Districts and some of the unique elements of governmental accounting. This session will include an overview of the Annual Report of the Treasurer, the Uniform Accounting System, measurement focus and basis of accounting, and pitfalls to avoid when completing the report. The second part of the presentation will focus on the many programmatic areas where written policies are highly recommended. The presenter will cover areas such as ethics, investments, and computer and credit card use that each district should adopt policies and procedures for to ensure accountability and efficient use of District resources.

11. Clerks' Forum

Date: Wednesday, March 16, 2022 from 1:00 PM to 4:00 PM

Instructor: Diana Thorn, Ontario County Soil and Water Conservation District

Description: Opportunity for clerks to network and share experiences. We are hoping to have mini-sessions on accepting credit cards, enrolling a new member in State Retirement, and more! Join us for open discussion and support from your fellow clerks.

12. Leadership Course: Growing Emotional Intelligence through Constructive Communication

Date: Wednesday, March 16, 2022 from 1:00 PM to 5:00 PM

Instructor: Richard D. Orth, Independent Learning Consultant

Description: This class is an opportunity to develop leadership skills and improve communication. The purpose of this two-part interactive presentation is to deepen your awareness of Emotional Intelligence (EI) – the capacity to be aware of, express and channel one's emotions, and to handle interpersonal relationships judiciously and empathetically. These foundational leadership skills – and life skills – can be immediately applied at work and also in your personal relationships. The learned skills are also an underpinning for increasing employee engagement, as well as improving – and sustaining – organizational performance. Through lecture, engaging conversations, story-telling and group activities, participants gain an introspection of EI concepts by developing their self-awareness and social-awareness. The class will be instructed by an outside lecturer, Richard D. Orth. Richard Orth is an independent Learning Consultant, building on 40 years' experience with IBM Corporation as a change leader, facilitator, trainer, leadership coach and business analyst. Richard has helped organizations and individuals to improve their capabilities in the areas of leadership development, cultural transformation and process excellence. He has led hundreds of global organizational change engagements by developing capabilities in emotional intelligence, business improvement, collaborative problem-solving, team-based decision-making, process facilitation and conflict resolution. He has been an invited speaker at various agencies and organizations, both nationally and internationally.

13. Managers' Forum

Date: Thursday, March 17, 2022 from 9:00 AM to 12:00 PM

Instructor: Dustin Lewis, Saratoga County Soil and Water Conservation District

Description: This forum is tailored to managers. We will be discussing various topics from around the state. These may include but are not limited to Covid requirements for the office, budgeting and much more. Please consider attending or sending a staff member in your place. We are planning a chunk of time just for managers and district staff at the end of this session. As in past years we will have an open discussion about any topics that Managers would like to discuss. If you have topics that you would like to explore feel free to email them prior to the class to Dustin Lewis at dustinlewisaratogawcd@gmail.com.

14. Specialty farm BMPs and the World of HEMP

Date: Thursday, March 17, 2022 from 9:00 AM to 12:00 PM

Instructors: Janice Degni, Cornell Cooperative Extension, Cortland County; Erin Peruzzini, Seneca County Soil and Water Conservation District; Tom Eskildsen, Yates County Soil and Water Conservation District; Ian Priestley, Wayne County Soil and Water Conservation District. Moderated by Jason Cuddeback, Cayuga County Soil and Water Conservation District.

Description: All about HEMP. Predicting the weather. Cover Crops and mulching for grapes and ag mixing facility. Habitat buffers.

Credits: CCA CEUs: 0.5 SW, 1 PM, and 1.5 CM

15. Intermediate/Advanced Excel

Date: Thursday, March 17, 2022 from 9:00 AM to 12:00 PM

Instructor: Cheryl Ten Eyck, FLCC

Description: Discover Excel through an intermediate / advanced lens. As we explore several higher level functions of the software, we will think about and discuss ways Excel can help Clerks in our everyday work. After time spent on tips and tricks for everything from formulas to formatting, we will explore creating a template for a spreadsheet to be used to keep track of all things grant related. Time will also be available for specific questions. Access to Excel will be helpful during this course

16. Self Care for Clerks

Date: Thursday, March 17, 2022 from 1:00 PM to 4:00 PM

Instructor: Bani Aello, BaniAello.com

Description: This session will focus on releasing tension and stress from the body and mind. We sit in chairs for many hours holding a particular “pose”. In this pose of sitting at a computer or desk, our back is rounded, the head juts forward and the arms are forward. All of this creates problems with our back, neck, and shoulders. The presenter will lead participants through simple but effective “counter poses” to undo the damage done from extended sitting leading to less pain and tension in those parts of the body. This will be followed by an introduction to three powerful ways to calm and relax the mind which strengthens the immune system for greater health and overall well-being. Together we will explore the science and spirit of breath, the top 5 mind traps we fall into, and the problem with glorifying workaholism.

17. Managing for Success

Date: Thursday, March 17, 2022 from 1:00 PM to 4:00 PM

Instructors: Amanda Barber, Cortland; Wendy Walsh, Tioga; Jim Lieberum, Warren; Mark Burger, Onondaga; Erin Peruzzini, Seneca County Soil and Water Conservation Districts, and Scott Fichbohm, New York State Soil and Water Conservation Committee

Description: This will be a District Managers Forum with many opportunities for discussion, sharing ideas and networking. The main goals are to provide resources to new District Managers and have discussions about how managers are handling the many aspects of the job. Attendance is limited to District Managers.

18. Master Social Media

Date: Friday, March 18, 2022 from 9:00 AM to 12:00 PM

Instructors: Alex Mceachron and Kylie Joyner Digital Hyve; Briana, University of Buffalo

Description: Master Social Media as you learn tips and tricks for platforms including Facebook and Instagram. Discover the dos and don'ts of internet communities, and come with questions for the pros to answer.

19. Hydroseeding Forum Reloaded

Date: Friday, March 18, 2022 from 9:00 AM to 12:00 PM

Instructor: Forum, moderated by Lenny Croote, Hamilton County Soil and Water Conservation District

Description: Open forum format to discuss hydroseeding programs, methods, materials, and troubleshooting. Come with ideas to share, before and after photos of interesting project sites, master tips of the trade, questions you want answered, and problems you want tackled.

20. Watershed Forum

Date: Friday, March 18, 2022 from 1:00 PM to 4:00 PM

Instructor: Chastity Miller, Franklin County Soil and Water Conservation District

Description: It's back! Finally! We have brought back the Watershed Forum. This forum will be utilized to catch up! We will all get together as watershed groups and give an update of the status of all groups, what they are working on and maybe what we could do together. If time is allotted we may also try to chat about funding opportunities!

21. Meet the PRISMS: Partnerships for Regional Invasive Species Management

Date: Friday, March 18, 2022 from 1:00 PM to 4:00 PM

Instructors: Dr. Christopher Pennuto, Hilary Mosher, Rob Williams, Tammara Van Ryn, Kristopher Williams, John Thompson, and Lindsay Yoder, PRISMS

Description: Meet the PRISMS: Partnerships for Regional Invasive Species Management! Eight PRISMS span all corners of New York State. PRISMs coordinate invasive species management functions including coordinating partner efforts, recruiting and training citizen volunteers, identifying and delivering education and outreach, establishing early detection and monitoring networks and implementing direct eradication and control efforts. Each PRISM will provide an overview of their organization, and review a priority invasive species. This training will be a fantastic way to have your questions answered by the experts and network with your PRISM.

Credits: CCA CEUs: 1 PM

22. Grants for Clerks

Date: Friday, March 18, 2022 from 1:00 PM to 4:00 PM

Instructor: Ryan Cunningham, New York State Department of Agriculture and Markets

Description: Ryan will describe the main Ag & Markets grants, detail the typical process for these grants and finish by describing the main BMPs Clerks are likely to hear about in an effort to help clerks better understand work being done by Districts. This improved understanding can then be used in newsletters, social media posts, and conversations with the public.

23. Baseline Skills for AutoCAD

Date: Monday, March 21, 2022 from 9:00 AM to 12:00 PM, and 1:00 PM to 4:00 PM (full day)

Instructors: Paula Bagley, Rick Rinaldo, and Paula Morse, Natural Resources Conservation Service

Description: This course is intended to assist new/beginner/inexperienced AutoCAD users with basic workflows for drafting of conservation practices using AutoCAD software. Instructors will introduce students to the AutoCAD user interface and the basics of a Civil 3D CAD dwg file. Instructors will demonstrate common Civil 3D workflows including importing survey points, creating surfaces, profiles, and sections. Basic annotation techniques and tools available for AutoCAD will also be shown. Instructors will be prepared to discuss a multitude of user questions about CAD and try to assist with workflow issues that students bring to the class. This is **not** a class for Micro Station, EFT, or other CAD systems. Another objective of the class is to connect CAD users within our various organizations and identify AutoCAD training needs in the near and long term. If you are an AutoCAD user (any level), please fill out this survey to give us insight on what this and future trainings should cover.

<https://forms.office.com/Pages/ResponsePage.aspx?id=5zZb7e4BvE6GfuA8-g1G19eHZh8lyhpAnlhMsur-jxBUM0gzU1BDT0Q1QVWVUE82ODJMWE1RT0JLQy4u>. Students will need computers with internet. The content will be delivered through TEAMS and with audio connection via computer or phone options. Access to AutoCAD during the session is beneficial, but not required.

Credits: CCA CEUs: 2 SW

24. Culvert Design and NYSDEC Stream Disturbance & Wetland Permitting

Date: Monday, March 21, 2022 from 1:00 PM to 4:00 PM

Instructors: Kathleen Suozzo PE, PLLC Engineer and Jim Pinheiro, Aquatic Biologist, New York State Department of Environmental Conservation

Description: The first part of this culvert course will be an introduction into the various design elements inherent in the proper composition of this surface water conveyance structure. Topics to be covered include various hydraulic and structural considerations. In addition, overall site constraints, existing utility conflicts, municipal construction and permanent easements, constructability, visual impact, regulatory restrictions, and cost are all part of the decision-making process in culvert design. The second part will outline the regulatory requirements the NYS DEC incorporates into any stream disturbance or freshwater wetland permit application review before a permit can be issued by the agency. This course will highlight some of the stream & wetland morphological characteristics that help inform permitting decisions. How to use those same morphological characteristics into your project planning and identify what regulatory requirements you must address before applying for a NYS DEC stream disturbance or freshwater wetland permit.

Credits: CCA CEUs: 1 SW

25. Introduction to Lidar

Date: Tuesday, March 22, 2022 from 9:00 AM to 12:00 PM

Instructors: Kathryn Duncan, Natural Resources Conservation Service, Jeffrey Langella, NYS Office of Information Technology Services, and Chastity Miller, Franklin County Soil and Water Conservation District

Description: In this course we will cover the basics, what is LIDAR, where to get it, and what can it be used for. This course will also show some of the ArcGIS analysis tools that can be used to determine contours, slope, site profile and hillshade.

Credits: CCA CEUs: 1.5 SW

26. Tree Sale Forum

Date: Wednesday, March 23, 2022 from 9:00 AM to 12:00 PM

Instructor: DEC, Various SWCD staff

Description: An interactive class to discuss tree sale topics, share ideas and engage with other Districts. SWCD speakers will give brief overviews of how their District organizes their tree sale – with specific examples of online payment systems. Other topics will include examples of how to organize inventory, advertising, other items sold besides plants, best sellers, growing your program and packing techniques. DEC speakers will share information about invasive species and answer questions. There will be time for discussion amongst attendees to hear how other districts are handling certain aspects of their tree sale, which suppliers and nurseries are being used and how the pandemic has impacted tree sales.

27. Afforestation in New York State

Date: Thursday, March 24, 2022 from 9:00 AM to 12:00 PM and 1:00 PM to 4:00 PM (full day)

Instructors: Colin Beier, SUNY Environmental Science and Forestry; Bryan Ellis, New York State Department of Environmental Conservation; Molly Hassett, New York State Department of Environmental Conservation; Ryan Davis, Alliance for the Chesapeake Bay; David Wise, Stroud Water Research Center; Lamonte Garber, Water Research Center

Description: Establishing a new forest is hard but important work. This full-day course will provide information about afforestation, or the creation of a forest in an area that was previously not forested. The morning session will provide information as to what afforestation is, why it is important, where opportunity exists, and how it fits into water quality and climate action plans in NYS. The morning will wrap up with a presentation about tree planting co-benefits to wildlife and humans. The afternoon session will include technical information with tree planting recommendations being offered by the Stroud Water Research Center, followed by stewardship and maintenance expectations.

Credits: CCA CEUs: 1 SW and 1 CM

28. How Mapped Floodways Can Impact Your Stream Projects (And What To Do)

Date: Thursday, March 24, 2022 from 9:00 AM to 12:00 PM

Instructors: Jayme Breschard Thomann, AICP, CFM, Senior Project Manager

Description: With flood map modernization occurring across New York State, some regulatory floodplains are changing due to new technology and better contours. Districts need to be aware of mapped floodways (the parts of the floodplain that have moving flood waters) in their communities when aiding landowners and local municipalities. Proposed development within the floodway, which includes stream restoration and stabilization projects, requires a hydraulic analysis to demonstrate “no-rise.” This session will review floodplain management criteria for State projects, discuss possible updates to traditional stream design, and brainstorm strategies to reduce costs for no-rise studies.

29. Stormwater MS4 Requirements

Date: Thursday, March 24, 2022 from 1:00 PM to 4:00 PM

Instructors: John Dunkle, PE, SUNY ESF & Private Engineer

Description: Please join John Dunkle PE as he presents the MS4 Stormwater permit requirements regulated communities must follow and how they could present opportunities for Districts.

Credits – other

30. Silvopasture Planning and Implementation

Date: Friday, March 25, 2022, from 9:00 AM to 12:00 PM

Instructors: Brett Chedzoy, Cornell Cooperative Extension Schuyler County; and John Burns, Farmer

Description: Are you working with livestock farmers that are interested in utilizing wooded portions of their farms as silvopastures to expand their grazing systems? Are you already working with a silvopasture operation and have

questions on how to improve the forage yield and reducing noxious vegetation? This 3-hour session will focus on the professional planning and implementation aspects of Silvopasture Management. The session will begin with a discussion on planning considerations, the use of the Silvopasture Site Evaluation tool, what steps to take in the office prior to your site visit and what information to collect in the field. In the second half, we will discuss putting the plan into action in terms of the technical details of thinning, forage establishment, and on-going vegetation management. Case studies from around New York will be used to illustrate these concepts. This session will end with a presentation from a longtime grazer who is new to silvopasturing on why they created silvopasture on their farm's wooded acreage, how that has benefited them, and what they have learned from the experience.

Credits: CCA CEUs: 1 SW and 2 CM

31. ArcGIS Online and Survey123

Date: Friday, March 25, 2022 from 9:00 AM to 12:00 PM

Instructor: Sara Frankenfeld, Warren County GIS

Description: We'll start off by describing the collaborative relationship between Warren County and the Soil and Water Conservation District and explain how the SWCD leverages this relationship to access ArcGIS Online and technical support. We'll talk briefly about types of licenses and costs for ArcGIS Online. Next, we'll move into an introduction to Survey123. We'll cover how to design a survey, how to publish it, how to share it, and how to use it to collect data in the field. Next, we'll jump over to ArcGIS Online and explain how to set up a map to view data collected in Survey123, how to add additional data to the map from both local and online sources, and how to share the map and underlying data with collaborators and the public. Finally, we'll show some examples of projects Warren County and WCSWCD have undertaken using Survey123 and ArcGIS Online. This will be an introductory course.

32. Intro to Stream Stabilization and Restoration

Date: Friday, March 25, 2022, from 1:00 PM to 4:00 PM

Instructor: Dave Derrick, retired United States Army Corps of Engineers

Description: Introduction to stream stabilization and restoration.

Credits: Other

NOTE: CNMP Training / NRCS Phase II Training – Tentatively scheduled for April 5-7, 2022, with the primary training location on the Cornell University campus in Ithaca, NY, and a remote webinar option for those not able to participate in-person. Look for more details and potential schedule updates from Ron Bush sent through the AEM Planner email listserve and State Committee District email list in the coming weeks. Contact Ron Bush with questions in the meantime (ronald.bush@agriculture.ny.gov or 315-314-0352).